

### Radial Lead Type

Series: **FC** Type: **A**



#### ■ Features

- Endurance : 105 °C 1000 h to 5000 h
- Low impedance
- RoHS directive compliant

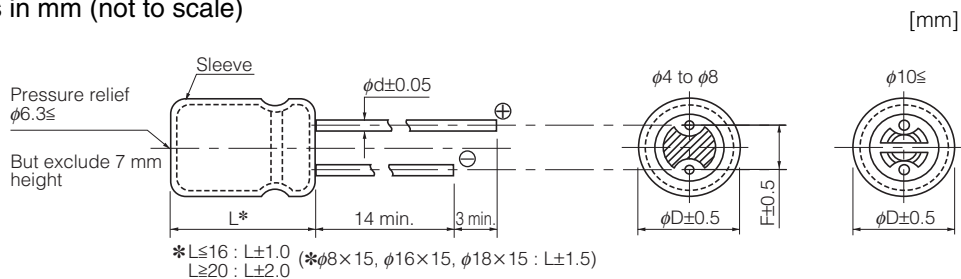
#### ■ Specifications

|  |   |                                    |      |      |      |      |      |      |      |                 |
|--|---|------------------------------------|------|------|------|------|------|------|------|-----------------|
| Category Temp. Range   | -55 °C to +105 °C   |                                    |      |      |      |      |      |      |      |                 |
| Rated W.V. Range   | 6.3 V.DC to 100 V.DC  |                                    |      |      |      |      |      |      |      |                 |
| Nominal Cap. Range   | 1.0 μF to 15000 μF  |                                    |      |      |      |      |      |      |      |                 |
| Capacitance Tolerance  | ±20 % (120 Hz/+20 °C)   |                                    |      |      |      |      |      |      |      |                 |
| DC Leakage Current   | I ≤ 0.01 CV or 3 (μA) After 2 minutes (Whichever is greater)  |                                    |      |      |      |      |      |      |      |                 |
| tan δ  | W.V. (V)  | 6.3                                | 10   | 16   | 25   | 35   | 50   | 63   | 100  | (120 Hz/+20 °C) |
|  | tan δ   | 0.22                               | 0.19 | 0.16 | 0.14 | 0.12 | 0.10 | 0.08 | 0.07 |                 |
| For capacitance value ≥ 1000 μF, add 0.02 per every 1000 μF. |   |                                    |      |      |      |      |      |      |      |                 |
| Endurance  | After following life test with DC voltage and +105 °C±2 °C ripple current value applied (The sum of DC and ripple peak voltage shall not exceed the rated working voltage) when the capacitors are restored to 20 °C, the capacitors shall meet the limits specified below.<br>Duration : φ4 to φ6.3: 1000 hours, φ8: 2000 hours, φ10: 3000 hours, φ12.5 to φ18: 5000 hours |                                    |      |      |      |      |      |      |      |                 |
|  | Capacitance change  | ±20 % of initial measured value    |      |      |      |      |      |      |      |                 |
|  | tan δ   | ≤ 200 % of initial specified value |      |      |      |      |      |      |      |                 |
|  | DC leakage current  | ≤ initial specified value          |      |      |      |      |      |      |      |                 |
| Shelf Life   | After storage for 1000 hours at +105 °C±2 °C with no voltage applied and then being stabilized at +20 °C, capacitors shall meet the limits specified in Endurance. (With voltage treatment)   |                                    |      |      |      |      |      |      |      |                 |

#### ■ Frequency correction factor for ripple current

| W.V.(V.DC) | Cap (μF)      | Frequency (Hz) |      |      |      |       |
|------------|---------------|----------------|------|------|------|-------|
|            |               | 60             | 120  | 1 k  | 10 k | 100 k |
| 6.3 to 100 | 1.0 to 330    | 0.55           | 0.65 | 0.85 | 0.90 | 1.00  |
|            | 390 to 1000   | 0.70           | 0.75 | 0.90 | 0.95 | 1.00  |
|            | 1200 to 2200  | 0.75           | 0.80 | 0.90 | 0.95 | 1.00  |
|            | 2700 to 15000 | 0.80           | 0.85 | 0.95 | 1.00 | 1.00  |

#### ■ Dimensions in mm (not to scale)



(mm)

|               | L ≥ 11 |     |     |     |     |          |          |     |     | L = 7 |      |      |
|---------------|--------|-----|-----|-----|-----|----------|----------|-----|-----|-------|------|------|
|               | 4      | 5   | 6.3 | 8   | 10  | 12.5     | 16       | 18  |     | 4     | 5    | 6.3  |
| Body Dia. φD  |        |     |     |     |     |          |          |     |     |       |      |      |
| Body Length L |        |     |     |     |     | 15 to 25 | 30 to 40 |     |     |       |      |      |
| Lead Dia. φd  | 0.45   | 0.5 | 0.5 | 0.6 | 0.6 | 0.6      | 0.8      | 0.8 | 0.8 | 0.45  | 0.45 | 0.45 |
| Lead space F  | 1.5    | 2.0 | 2.5 | 3.5 | 5.0 | 5.0      | 5.0      | 7.5 | 7.5 | 1.5   | 2.0  | 2.5  |

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

### ■ Case size/ Impedance/ Ripple Current

| W.V(V.DC)<br>Case size<br>( $\phi$ DxL) | 6.3 V to 35 V                       |        |   | 50 V                                |         |   | 63 V                                |        |   | 100 V                               |        |   |
|---|-------------------------------------|--------|---|-------------------------------------|---------|---|-------------------------------------|--------|---|-------------------------------------|--------|---|
|   | Impedance<br>( $\Omega$ )/(100 kHz) |        | Ripple<br>Current<br>(mA r.m.s)<br>/(100 kHz) | Impedance<br>( $\Omega$ )/(100 kHz) |         | Ripple<br>Current<br>(mA r.m.s)<br>/(100 kHz) | Impedance<br>( $\Omega$ )/(100 kHz) |        | Ripple<br>Current<br>(mA r.m.s)<br>/(100 kHz) | Impedance<br>( $\Omega$ )/(100 kHz) |        | Ripple<br>Current<br>(mA r.m.s)<br>/(100 kHz) |
|   | 20 °C                               | -10 °C |   | 20 °C                               | -10 °C  |   | 20 °C                               | -10 °C |   | 20 °C                               | -10 °C |   |
| 4 × 7                                   | 2.00                                | 5.00   | 65  |                                     |         |   |                                     |        |   |                                     |        |   |
| 5 × 7                                   | 0.950                               | 2.40   | 120   |                                     |         |   |                                     |        |   |                                     |        |   |
| 6.3 × 7                                 | 0.450                               | 1.20   | 200   |                                     |         |   |                                     |        |   |                                     |        |   |
| 4 × 11                                  | 1.30                                | 2.60   | 120   | 2.50                                | 5.00    | 90  | 3.50                                | 7.00   | 80  |                                     |        |   |
| 5 × 11                                  | 0.800                               | 1.60   | 175   | 2.40 *1                             | 4.80 *1 | *3  | 2.00                                | 4.00   | 145   | 4.10                                | 8.20   | 80  |
|   |                                     |        |   | *2, *3                              | *2, *3  | *3  |                                     |        |   |                                     |        |   |
| 5 × 15                                  | 0.500                               | 1.00   | 235   | 0.900                               | 1.80    | 215   | 1.30                                | 2.60   | 200   | 2.80                                | 5.60   | 90  |
| 6.3 × 11.2                              | 0.350                               | 0.700  | 290   | 0.600                               | 1.20    | 260   | 1.00                                | 2.00   | 240   | 1.80                                | 3.60   | 114   |
| 6.3 × 15                                | 0.250                               | 0.500  | 400   | 0.400                               | 0.800   | 360   | 0.700                               | 1.40   | 330   | 1.10                                | 2.20   | 155   |
| 8 × 11.5                                | 0.117                               | 0.234  | 555   | 0.234                               | 0.468   | 485   | 0.342                               | 0.684  | 405   | 0.680                               | 1.36   | 260   |
| 8 × 15                                  | 0.085                               | 0.170  | 730   | 0.155                               | 0.310   | 635   | 0.230                               | 0.460  | 535   | 0.450                               | 0.900  | 340   |
| 8 × 20                                  | 0.065                               | 0.130  | 995   | 0.120                               | 0.240   | 860   | 0.178                               | 0.356  | 690   | 0.330                               | 0.660  | 455   |
| 10 × 12.5                               | 0.090                               | 0.180  | 755   | 0.162                               | 0.324   | 615   | 0.256                               | 0.512  | 535   | 0.530                               | 1.06   | 306   |
| 10 × 16                                 | 0.068                               | 0.136  | 1050  | 0.119                               | 0.238   | 850   | 0.194                               | 0.388  | 600   | 0.360                               | 0.720  | 400   |
| 10 × 20                                 | 0.052                               | 0.104  | 1220  | 0.090                               | 0.180   | 1030  | 0.147                               | 0.294  | 885   | 0.240                               | 0.480  | 463   |
| 10 × 25                                 | 0.045                               | 0.090  | 1440  | 0.082                               | 0.164   | 1200  | 0.130                               | 0.260  | 1050  | 0.210                               | 0.420  | 599   |
| 10 × 30                                 | 0.035                               | 0.070  | 1815  | 0.060                               | 0.120   | 1610  | 0.090                               | 0.180  | 1300  | 0.150                               | 0.300  | 698   |
| 12.5 × 15                               | 0.065                               | 0.130  | 1205  | 0.110                               | 0.220   | 1150  | 0.150                               | 0.300  | 1020  | 0.230                               | 0.460  | 511   |
| 12.5 × 20                               | 0.038                               | 0.076  | 1655  | 0.063                               | 0.126   | 1480  | 0.085                               | 0.170  | 1285  | 0.180                               | 0.360  | 671   |
| 12.5 × 25                               | 0.030                               | 0.060  | 1945  | 0.050                               | 0.100   | 1832  | 0.070                               | 0.140  | 1720  | 0.110                               | 0.220  | 807   |
| 12.5 × 30                               | 0.025                               | 0.050  | 2310  | 0.040                               | 0.080   | 2215  | 0.055                               | 0.110  | 2090  | 0.098                               | 0.196  | 937   |
| 12.5 × 35                               | 0.022                               | 0.044  | 2510  | 0.034                               | 0.068   | 2285  | 0.047                               | 0.094  | 2265  | 0.087                               | 0.174  | 1040  |
| 12.5 × 40                               | 0.018                               | 0.036  | 2655  | 0.030                               | 0.060   | 2590  | 0.042                               | 0.084  | 2560  | 0.072                               | 0.144  | 1130  |
| 16 × 15                                 | 0.043                               | 0.086  | 1690  | 0.080                               | 0.160   | 1610  | 0.090                               | 0.180  | 1410  | 0.140                               | 0.280  | 793   |
| 16 × 20                                 | 0.029                               | 0.058  | 2205  | 0.048                               | 0.096   | 1835  | 0.059                               | 0.118  | 1765  | 0.110                               | 0.220  | 995   |
| 16 × 25                                 | 0.022                               | 0.044  | 2555  | 0.034                               | 0.068   | 2235  | 0.050                               | 0.100  | 2160  | 0.089                               | 0.178  | 1170  |
| 16 × 31.5                               | 0.018                               | 0.036  | 3010  | 0.028                               | 0.056   | 2700  | 0.043                               | 0.086  | 2670  | 0.062                               | 0.124  | 1520  |
| 16 × 35.5                               | 0.016                               | 0.032  | 3150  | 0.025                               | 0.050   | 2790  | 0.036                               | 0.072  | 2770  | 0.053                               | 0.106  | 1730  |
| 16 × 40                                 | 0.015                               | 0.030  | 3360  | 0.023                               | 0.046   | 2845  | 0.030                               | 0.060  | 2825  | 0.047                               | 0.094  | 1920  |
| 18 × 15                                 | 0.038                               | 0.076  | 2000  | 0.068                               | 0.136   | 1900  | 0.086                               | 0.172  | 1690  | 0.120                               | 0.240  | 917   |
| 18 × 20                                 | 0.028                               | 0.056  | 2490  | 0.042                               | 0.084   | 2420  | 0.055                               | 0.110  | 2290  | 0.080                               | 0.160  | 1230  |
| 18 × 25                                 | 0.020                               | 0.040  | 2740  | 0.029                               | 0.058   | 2610  | 0.043                               | 0.086  | 2585  | 0.070                               | 0.140  | 1420  |
| 18 × 31.5                               | 0.016                               | 0.032  | 3635  | 0.025                               | 0.050   | 3000  | 0.032                               | 0.064  | 2950  | 0.062                               | 0.124  | 1600  |
| 18 × 35.5                               | 0.015                               | 0.030  | 3680  | 0.023                               | 0.046   | 3100  | 0.030                               | 0.060  | 3095  | 0.041                               | 0.082  | 1770  |
| 18 × 40                                 | 0.014                               | 0.028  | 3735  | -                                   | -       | -   | 0.025                               | 0.050  | 3205  | 0.036                               | 0.072  | 2300  |

\*1 : Apply to 1  $\mu$ F

\*2 : Apply to 2.2, 3.3, 4.7, 10L, 12, 18 and 22  $\mu$ F

\*3

| Case size<br>( $\phi$ DxL) | Capacitance<br>( $\mu$ F) | Impedance ( $\Omega$ )/(100 kHz) |        | Ripple Current<br>(mA r.m.s)/(100 kHz) |
|----------------------------|---------------------------|----------------------------------|--------|--|
|                            |                           | 20 °C                            | -10 °C |  |
| 5 × 11                     | 1.0                       | 2.40                             | 4.80   | 20                                     |
|                            | 2.2                       | 1.80                             | 3.60   | 45                                     |
|                            | 3.3                       | 1.30                             | 2.60   | 65                                     |
|                            | 4.7                       | 1.30                             | 2.60   | 95                                     |
|                            | 10L                       | 1.30                             | 2.60   | 125                                    |
|                            | 12                        | 1.30                             | 2.60   | 135                                    |
|                            | 15                        | 1.30                             | 2.60   | 145                                    |
|                            | 18                        | 1.30                             | 2.60   | 155                                    |
|                            | 22                        | 1.30                             | 2.60   | 155                                    |

■ Standard Products

| W.V.  | Cap.<br>(±20 %) | Case size |        | Specification   |   |                      | Lead Length       |                  |                      | Part No.       | Min. Packaging Qty      |                 |                      |
|-------|-----------------|-----------|--------|---|---|----------------------|-------------------|------------------|----------------------|----------------|-------------------------|-----------------|----------------------|
|       |                 | Dia.      | Length | Ripple Current<br>(100 kHz)<br>(+105 °C)<br>(mA r.m.s.) | Impedance<br>(100 kHz)<br>(+20 °C)<br>(Ω) | Endurance<br>(hours) | Lead Dia.<br>(mm) | Lead Space       |                      |                | Straight Leads<br>(pcs) | Taping<br>(pcs) |                      |
|       |                 |           |        |   |   |                      |                   | Straight<br>(mm) | Taping<br>*B<br>(mm) |                |                         |                 | Taping<br>*H<br>(mm) |
| (V)   | (μF)            | (mm)      | (mm)   | (mA r.m.s.)   | (Ω)                                       | (hours)              | (mm)              | (mm)             | (mm)                 | (mm)           | (pcs)                   | (pcs)           |                      |
| 6.3   | 27              | 4         | 7      | 65  | 2.000                                     | 1000                 | 0.45              | 1.5              | 5.0                  | 2.5            | EEAFC0J270( )           | 200             | 2000                 |
|       | 56              | 5         | 7      | 120   | 0.950                                     | 1000                 | 0.45              | 2.0              | 5.0                  | 2.5            | EEAFC0J560( )           | 200             | 2000                 |
|       | 68              | 4         | 11     | 120   | 1.300                                     | 1000                 | 0.45              | 1.5              | 5.0                  | 2.5            | EEUFC0J680( )           | 200             | 2000                 |
|       | 100             | 5         | 11     | 175   | 0.800                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5            | EEUFC0J101( )           | 200             | 2000                 |
|       | 120             | 6.3       | 7      | 200   | 0.450                                     | 1000                 | 0.45              | 2.5              | 5.0                  | 2.5            | EEAFC0J121( )           | 200             | 2000                 |
|       | 150             | 5         | 15     | 235   | 0.500                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5            | EEUFC0J151( )           | 200             | 2000                 |
|       | 220             | 6.3       | 11.2   | 290   | 0.350                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC0J221( )           | 200             | 2000                 |
|       | 270             | 6.3       | 11.2   | 290   | 0.350                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC0J271( )           | 200             | 2000                 |
|       | 330             | 6.3       | 11.2   | 290   | 0.350                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC0J331S( )          | 200             | 2000                 |
|       |                 | 6.3       | 15     | 400   | 0.250                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC0J331( )           | 200             | 2000                 |
|       | 390             | 8         | 11.5   | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC0J391( )           | 200             | 1000                 |
|       | 470             | 8         | 11.5   | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC0J471( )           | 200             | 1000                 |
|       | 560             | 8         | 11.5   | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC0J561( )           | 200             | 1000                 |
|       | 820             | 8         | 15     | 730   | 0.085                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC0J821L( )          | 200             | 1000                 |
|       |                 | 10        | 12.5   | 755   | 0.090                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC0J821( )           | 200             | 500                  |
|       | 1000            | 10        | 12.5   | 755   | 0.090                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC0J102( )           | 200             | 500                  |
|       | 1200            | 8         | 20     | 995   | 0.065                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC0J122L( )          | 200             | 1000                 |
|       |                 | 10        | 16     | 1050  | 0.068                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC0J122( )           | 200             | 500                  |
|       | 1500            | 10        | 20     | 1220  | 0.052                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC0J152( )           | 200             | 500                  |
|       |                 | 12.5      | 15     | 1205  | 0.065                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC0J152S( )          | 200             | 500                  |
|       | 1800            | 10        | 25     | 1440  | 0.045                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC0J182( )           | 200             | 500                  |
|       | 2200            | 10        | 25     | 1440  | 0.045                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC0J222( )           | 200             | 500                  |
|       |                 | 16        | 15     | 1690  | 0.043                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC0J222S( )          | 100             | 250                  |
|       | 2700            | 10        | 30     | 1815  | 0.035                                     | 3000                 | 0.60              | 5.0              |                      |                | EEUFC0J272L             | 100             |                      |
|       |                 | 12.5      | 20     | 1655  | 0.038                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC0J272( )           | 200             | 500                  |
|       |                 | 16        | 15     | 1690  | 0.043                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC0J272S( )          | 100             | 250                  |
|       | 3300            | 12.5      | 20     | 1655  | 0.038                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC0J332( )           | 200             | 500                  |
|       |                 | 18        | 15     | 2000  | 0.038                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC0J332S( )          | 100             | 250                  |
|       | 3900            | 12.5      | 25     | 1945  | 0.030                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC0J392( )           | 200             | 500                  |
|       | 4700            | 12.5      | 30     | 2310  | 0.025                                     | 5000                 | 0.80              | 5.0              |                      |                | EEUFC0J472              | 100             |                      |
| 16    |                 | 20        | 2205   | 0.029   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC0J472S( ) | 100                     | 250             |                      |
| 5600  | 12.5            | 35        | 2510   | 0.022   | 5000                                      | 0.80                 | 5.0               |                  |                      | EEUFC0J562L    | 100                     |                 |                      |
|       | 16              | 20        | 2205   | 0.029   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC0J562( )  | 100                     | 250             |                      |
| 6800  | 12.5            | 40        | 2655   | 0.018   | 5000                                      | 0.80                 | 5.0               |                  |                      | EEUFC0J682L    | 100                     |                 |                      |
|       | 16              | 25        | 2555   | 0.022   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC0J682( )  | 100                     | 250             |                      |
|       | 18              | 20        | 2490   | 0.028   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC0J682S( ) | 100                     | 250             |                      |
| 8200  | 16              | 31.5      | 3010   | 0.018   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC0J822     | 100                     |                 |                      |
| 10000 | 16              | 35.5      | 3150   | 0.016   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC0J103     | 100                     |                 |                      |
|       | 18              | 25        | 2740   | 0.020   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC0J103S( ) | 100                     | 250             |                      |
| 12000 | 16              | 40        | 3360   | 0.015   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC0J123L    | 100                     |                 |                      |
|       | 18              | 31.5      | 3635   | 0.016   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC0J123     | 50                      |                 |                      |
| 15000 | 18              | 35.5      | 3680   | 0.015   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC0J153     | 50                      |                 |                      |

When requesting taped product, please put the letter "B" or "H" between the "( )". Lead wire pitch B=5 mm, 7.5 mm, H=2.5 mm. The taping dimensions are explained on p.178 of our Catalog. Please use it as a reference guide.

### Standard Products

| W.V.<br>(V) | Cap.<br>(±20 %)<br>(μF) | Case size    |                | Specification   |   |                      | Lead Length       |                  |                      | Part No.       | Min. Packaging Qty      |                 |                      |
|-------------|-------------------------|--------------|----------------|---|---|----------------------|-------------------|------------------|----------------------|----------------|-------------------------|-----------------|----------------------|
|             |                         | Dia.<br>(mm) | Length<br>(mm) | Ripple Current<br>(100 kHz)<br>(+105 °C)<br>(mA r.m.s.) | Impedance<br>(100 kHz)<br>(+20 °C)<br>(Ω) | Endurance<br>(hours) | Lead Dia.<br>(mm) | Lead Space       |                      |                | Straight Leads<br>(pcs) | Taping<br>(pcs) |                      |
|             |                         |              |                |   |   |                      |                   | Straight<br>(mm) | Taping<br>*B<br>(mm) |                |                         |                 | Taping<br>*H<br>(mm) |
| 10          | 22                      | 4            | 7              | 65  | 2.000                                     | 1000                 | 0.45              | 1.5              | 5.0                  | 2.5            | EEAFC1A220( )           | 200             | 2000                 |
|             | 39                      | 5            | 7              | 120   | 0.950                                     | 1000                 | 0.45              | 2.0              | 5.0                  | 2.5            | EEAFC1A390( )           | 200             | 2000                 |
|             | 47                      | 4            | 11             | 120   | 1.300                                     | 1000                 | 0.45              | 1.5              | 5.0                  | 2.5            | EEUFC1A470( )           | 200             | 2000                 |
|             | 82                      | 5            | 11             | 175   | 0.800                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5            | EEUFC1A820( )           | 200             | 2000                 |
|             |                         | 6.3          | 7              | 200   | 0.450                                     | 1000                 | 0.45              | 2.5              | 5.0                  | 2.5            | EEAFC1A820( )           | 200             | 2000                 |
|             | 100                     | 5            | 11             | 175   | 0.800                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5            | EEUFC1A101S( )          | 200             | 2000                 |
|             |                         | 5            | 15             | 235   | 0.500                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5            | EEUFC1A101( )           | 200             | 2000                 |
|             | 150                     | 6.3          | 11.2           | 290   | 0.350                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC1A151( )           | 200             | 2000                 |
|             | 180                     | 6.3          | 11.2           | 290   | 0.350                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC1A181( )           | 200             | 2000                 |
|             | 220                     | 6.3          | 11.2           | 290   | 0.350                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC1A221S( )          | 200             | 2000                 |
|             |                         | 6.3          | 15             | 400   | 0.250                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5            | EEUFC1A221( )           | 200             | 2000                 |
|             | 330                     | 8            | 11.5           | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1A331( )           | 200             | 1000                 |
|             | 390                     | 8            | 11.5           | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1A391( )           | 200             | 1000                 |
|             | 470                     | 8            | 11.5           | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1A471( )           | 200             | 1000                 |
|             | 560                     | 10           | 12.5           | 755   | 0.090                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1A561( )           | 200             | 500                  |
|             | 680                     | 8            | 15             | 730   | 0.085                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1A681L( )          | 200             | 1000                 |
|             |                         | 10           | 12.5           | 755   | 0.090                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1A681( )           | 200             | 500                  |
|             | 820                     | 10           | 16             | 1050  | 0.068                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1A821( )           | 200             | 500                  |
|             | 1000                    | 8            | 20             | 995   | 0.065                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                | EEUFC1A102L( )          | 200             | 1000                 |
|             |                         | 10           | 16             | 1050  | 0.068                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1A102( )           | 200             | 500                  |
|             | 1200                    | 10           | 20             | 1220  | 0.052                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1A122( )           | 200             | 500                  |
|             |                         | 12.5         | 15             | 1205  | 0.065                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1A122S( )          | 200             | 500                  |
|             | 1500                    | 10           | 25             | 1440  | 0.045                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1A152( )           | 200             | 500                  |
|             | 1800                    | 12.5         | 20             | 1655  | 0.038                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1A182( )           | 200             | 500                  |
|             |                         | 16           | 15             | 1690  | 0.043                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC1A182S( )          | 100             | 250                  |
|             | 2200                    | 10           | 30             | 1815  | 0.035                                     | 3000                 | 0.60              | 5.0              |                      |                | EEUFC1A222L             | 100             |                      |
|             |                         | 12.5         | 20             | 1655  | 0.038                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1A222( )           | 200             | 500                  |
|             | 2700                    | 12.5         | 25             | 1945  | 0.030                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                | EEUFC1A272( )           | 200             | 500                  |
|             |                         | 18           | 15             | 2000  | 0.038                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                | EEUFC1A272S( )          | 100             | 250                  |
|             | 3300                    | 12.5         | 30             | 2310  | 0.025                                     | 5000                 | 0.80              | 5.0              |                      |                | EEUFC1A332              | 100             |                      |
| 16          |                         | 20           | 2205           | 0.029   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1A332S( ) | 100                     | 250             |                      |
| 3900        | 12.5                    | 35           | 2510           | 0.022   | 5000                                      | 0.80                 | 5.0               |                  |                      | EEUFC1A392L    | 100                     |                 |                      |
|             | 16                      | 20           | 2205           | 0.029   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1A392( )  | 100                     | 250             |                      |
| 4700        | 12.5                    | 40           | 2655           | 0.018   | 5000                                      | 0.80                 | 5.0               |                  |                      | EEUFC1A472L    | 100                     |                 |                      |
|             | 16                      | 25           | 2555           | 0.022   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1A472( )  | 100                     | 250             |                      |
| 5600        | 16                      | 25           | 2555           | 0.022   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1A562( )  | 100                     | 250             |                      |
|             | 18                      | 20           | 2490           | 0.028   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1A562S( ) | 100                     | 250             |                      |
| 6800        | 16                      | 31.5         | 3010           | 0.018   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1A682     | 100                     |                 |                      |
|             | 18                      | 25           | 2740           | 0.020   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1A682S( ) | 100                     | 250             |                      |
| 8200        | 16                      | 35.5         | 3150           | 0.016   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1A822L    | 100                     |                 |                      |
|             | 18                      | 31.5         | 3635           | 0.016   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1A822     | 50                      |                 |                      |
| 10000       | 18                      | 35.5         | 3680           | 0.015   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1A103     | 50                      |                 |                      |
| 12000       | 18                      | 40           | 3735           | 0.014   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1A123     | 50                      |                 |                      |

When requesting taped product, please put the letter "B" or "H" between the "( )". Lead wire pitch B=5 mm, 7.5 mm, H=2.5 mm. The taping dimensions are explained on p.178 of our Catalog. Please use it as a reference guide.

### Standard Products

| W.V.<br>(V) | Cap.<br>(±20 %)<br>(μF) | Case size    |                | Specification   |   |                      | Lead Length       |                  |                      |                      | Part No.       | Min. Packaging Qty      |                 |
|-------------|-------------------------|--------------|----------------|---|---|----------------------|-------------------|------------------|----------------------|----------------------|----------------|-------------------------|-----------------|
|             |                         | Dia.<br>(mm) | Length<br>(mm) | Ripple Current<br>(100 kHz)<br>(+105 °C)<br>(mA r.m.s.) | Impedance<br>(100 kHz)<br>(+20 °C)<br>(Ω) | Endurance<br>(hours) | Lead Dia.<br>(mm) | Lead Space       |                      |                      |                | Straight Leads<br>(pcs) | Taping<br>(pcs) |
|             |                         |              |                |   |   |                      |                   | Straight<br>(mm) | Taping<br>*B<br>(mm) | Taping<br>*H<br>(mm) |                |                         |                 |
| 16          | 15                      | 4            | 7              | 65  | 2.000                                     | 1000                 | 0.45              | 1.5              | 5.0                  | 2.5                  | EEAFC1C150( )  | 200                     | 2000            |
|             | 27                      | 5            | 7              | 120   | 0.950                                     | 1000                 | 0.45              | 2.0              | 5.0                  | 2.5                  | EEAFC1C270( )  | 200                     | 2000            |
|             | 39                      | 4            | 11             | 120   | 1.30                                      | 1000                 | 0.45              | 1.5              | 5.0                  | 2.5                  | EEUFC1C390( )  | 200                     | 2000            |
|             | 47                      | 5            | 11             | 175   | 0.800                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5                  | EEUFC1C470( )  | 200                     | 2000            |
|             | 56                      | 5            | 11             | 175   | 0.800                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5                  | EEUFC1C560( )  | 200                     | 2000            |
|             |                         | 6.3          | 7              | 200   | 0.450                                     | 1000                 | 0.45              | 2.5              | 5.0                  | 2.5                  | EEAFC1C560( )  | 200                     | 2000            |
|             | 68                      | 5            | 11             | 175   | 0.800                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5                  | EEUFC1C680( )  | 200                     | 2000            |
|             | 82                      | 5            | 15             | 235   | 0.500                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5                  | EEUFC1C820( )  | 200                     | 2000            |
|             | 100                     | 6.3          | 11.2           | 290   | 0.350                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5                  | EEUFC1C101( )  | 200                     | 2000            |
|             | 120                     | 6.3          | 11.2           | 290   | 0.350                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5                  | EEUFC1C121( )  | 200                     | 2000            |
|             | 180                     | 6.3          | 15             | 400   | 0.250                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5                  | EEUFC1C181( )  | 200                     | 2000            |
|             | 220                     | 8            | 11.5           | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                      | EEUFC1C221( )  | 200                     | 1000            |
|             | 270                     | 8            | 11.5           | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                      | EEUFC1C271( )  | 200                     | 1000            |
|             | 330                     | 8            | 11.5           | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                      | EEUFC1C331( )  | 200                     | 1000            |
|             | 390                     | 10           | 12.5           | 755   | 0.090                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1C391( )  | 200                     | 500             |
|             | 470                     | 8            | 15             | 730   | 0.085                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                      | EEUFC1C471L( ) | 200                     | 1000            |
|             |                         | 10           | 12.5           | 755   | 0.090                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1C471( )  | 200                     | 500             |
|             | 560                     | 10           | 16             | 1050  | 0.068                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1C561( )  | 200                     | 500             |
|             | 680                     | 8            | 20             | 995   | 0.065                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                      | EEUFC1C681L( ) | 200                     | 1000            |
|             |                         | 10           | 16             | 1050  | 0.068                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1C681( )  | 200                     | 500             |
|             | 820                     | 10           | 20             | 1220  | 0.052                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1C821( )  | 200                     | 500             |
|             |                         | 12.5         | 15             | 1205  | 0.065                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1C821S( ) | 200                     | 500             |
|             | 1000                    | 10           | 20             | 1220  | 0.052                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1C102S( ) | 200                     | 500             |
|             |                         | 10           | 25             | 1440  | 0.045                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1C102( )  | 200                     | 500             |
|             | 1200                    | 10           | 25             | 1440  | 0.045                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1C122( )  | 200                     | 500             |
|             |                         | 16           | 15             | 1690  | 0.043                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                      | EEUFC1C122S( ) | 100                     | 250             |
|             | 1500                    | 10           | 30             | 1815  | 0.035                                     | 3000                 | 0.60              | 5.0              |                      |                      | EEUFC1C152L    | 100                     |                 |
|             |                         | 12.5         | 20             | 1655  | 0.038                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1C152( )  | 200                     | 500             |
|             |                         | 16           | 15             | 1690  | 0.043                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                      | EEUFC1C152S( ) | 100                     | 250             |
|             | 1800                    | 12.5         | 25             | 1945  | 0.030                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1C182( )  | 200                     | 500             |
|             |                         | 18           | 15             | 2000  | 0.038                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                      | EEUFC1C182S( ) | 100                     | 250             |
|             | 2200                    | 12.5         | 25             | 1945  | 0.030                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1C222( )  | 200                     | 500             |
| 16          |                         | 20           | 2205           | 0.029   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1C222S( )       | 100            | 250                     |                 |
| 2700        | 12.5                    | 30           | 2310           | 0.025   | 5000                                      | 0.80                 | 5.0               |                  |                      | EEUFC1C272L          | 100            |                         |                 |
|             | 16                      | 20           | 2205           | 0.029   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1C272( )        | 100            | 250                     |                 |
| 3300        | 12.5                    | 35           | 2510           | 0.022   | 5000                                      | 0.80                 | 5.0               |                  |                      | EEUFC1C332           | 100            |                         |                 |
|             | 18                      | 20           | 2490           | 0.028   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1C332S( )       | 100            | 250                     |                 |
| 3900        | 16                      | 25           | 2555           | 0.022   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1C392( )        | 100            | 250                     |                 |
|             | 18                      | 20           | 2490           | 0.028   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1C392S( )       | 100            | 250                     |                 |
| 4700        | 16                      | 31.5         | 3010           | 0.018   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1C472           | 100            |                         |                 |
|             | 18                      | 25           | 2740           | 0.020   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1C472S( )       | 100            | 250                     |                 |
| 5600        | 16                      | 35.5         | 3150           | 0.016   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1C562L          | 100            |                         |                 |
|             | 18                      | 31.5         | 3635           | 0.016   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1C562           | 50             |                         |                 |
| 6800        | 16                      | 40           | 3360           | 0.015   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1C682           | 100            |                         |                 |
| 8200        | 18                      | 35.5         | 3680           | 0.015   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1C822           | 50             |                         |                 |

When requesting taped product, please put the letter "B" or "H" between the "( )". Lead wire pitch B=5 mm, 7.5 mm, H=2.5 mm. The taping dimensions are explained on p.178 of our Catalog. Please use it as a reference guide.

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

### Standard Products

| W.V.<br>(V) | Cap.<br>(±20 %)<br>(μF) | Case size    |                | Specification   |   |                      | Lead Length       |                  |                      |                      | Part No.       | Min. Packaging Qty      |                 |
|-------------|-------------------------|--------------|----------------|---|---|----------------------|-------------------|------------------|----------------------|----------------------|----------------|-------------------------|-----------------|
|             |                         | Dia.<br>(mm) | Length<br>(mm) | Ripple Current<br>(100 kHz)<br>(+105 °C)<br>(mA r.m.s.) | Impedance<br>(100 kHz)<br>(+20 °C)<br>(Ω) | Endurance<br>(hours) | Lead Dia.<br>(mm) | Lead Space       |                      |                      |                | Straight Leads<br>(pcs) | Taping<br>(pcs) |
|             |                         |              |                |   |   |                      |                   | Straight<br>(mm) | Taping<br>*B<br>(mm) | Taping<br>*H<br>(mm) |                |                         |                 |
| 25          | 10                      | 4            | 7              | 65  | 2.000                                     | 1000                 | 0.45              | 1.5              | 5.0                  | 2.5                  | EEAFC1E100( )  | 200                     | 2000            |
|             | 22                      | 5            | 7              | 120   | 0.950                                     | 1000                 | 0.45              | 2.0              | 5.0                  | 2.5                  | EEAFC1E220( )  | 200                     | 2000            |
|             | 27                      | 4            | 11             | 120   | 1.30                                      | 1000                 | 0.45              | 1.5              | 5.0                  | 2.5                  | EEUFC1E270( )  | 200                     | 2000            |
|             | 39                      | 5            | 11             | 175   | 0.800                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5                  | EEUFC1E390( )  | 200                     | 2000            |
|             |                         | 6.3          | 7              | 200   | 0.450                                     | 1000                 | 0.45              | 2.5              | 5.0                  | 2.5                  | EEAFC1E390( )  | 200                     | 2000            |
|             | 47                      | 5            | 11             | 175   | 0.800                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5                  | EEUFC1E470( )  | 200                     | 2000            |
|             | 56                      | 5            | 15             | 235   | 0.500                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5                  | EEUFC1E560( )  | 200                     | 2000            |
|             | 82                      | 6.3          | 11.2           | 290   | 0.350                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5                  | EEUFC1E820( )  | 200                     | 2000            |
|             | 100                     | 6.3          | 11.2           | 290   | 0.350                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5                  | EEUFC1E101S( ) | 200                     | 2000            |
|             | 120                     | 6.3          | 15             | 400   | 0.250                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5                  | EEUFC1E121( )  | 200                     | 2000            |
|             | 180                     | 8            | 11.5           | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                      | EEUFC1E181( )  | 200                     | 1000            |
|             | 220                     | 8            | 11.5           | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                      | EEUFC1E221( )  | 200                     | 1000            |
|             | 270                     | 10           | 12.5           | 755   | 0.090                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1E271( )  | 200                     | 500             |
|             | 330                     | 8            | 15             | 730   | 0.085                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                      | EEUFC1E331L( ) | 200                     | 1000            |
|             |                         | 10           | 12.5           | 755   | 0.090                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1E331( )  | 200                     | 500             |
|             | 390                     | 10           | 16             | 1050  | 0.068                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1E391( )  | 200                     | 500             |
|             | 470                     | 8            | 20             | 995   | 0.065                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                      | EEUFC1E471L( ) | 200                     | 1000            |
|             |                         | 10           | 16             | 1050  | 0.068                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1E471( )  | 200                     | 500             |
|             | 560                     | 10           | 20             | 1220  | 0.052                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1E561( )  | 200                     | 500             |
|             |                         | 12.5         | 15             | 1205  | 0.065                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1E561S( ) | 200                     | 500             |
|             | 680                     | 10           | 20             | 1220  | 0.052                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1E681( )  | 200                     | 500             |
|             | 820                     | 10           | 25             | 1440  | 0.045                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1E821( )  | 200                     | 500             |
|             |                         | 12.5         | 20             | 1655  | 0.038                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1E821S( ) | 200                     | 500             |
|             | 1000                    | 10           | 30             | 1815  | 0.035                                     | 3000                 | 0.60              | 5.0              |                      |                      | EEUFC1E102L    | 100                     |                 |
|             |                         | 12.5         | 20             | 1655  | 0.038                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1E102( )  | 200                     | 500             |
|             |                         | 16           | 15             | 1690  | 0.043                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                      | EEUFC1E102S( ) | 100                     | 250             |
|             | 1200                    | 12.5         | 25             | 1945  | 0.030                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1E122( )  | 200                     | 500             |
|             |                         | 18           | 15             | 2000  | 0.038                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                      | EEUFC1E122S( ) | 100                     | 250             |
|             | 1500                    | 12.5         | 25             | 1945  | 0.030                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1E152( )  | 200                     | 500             |
|             |                         | 16           | 20             | 2205  | 0.029                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                      | EEUFC1E152S( ) | 100                     | 250             |
| 1800        | 12.5                    | 30           | 2310           | 0.025   | 5000                                      | 0.80                 | 5.0               |                  |                      | EEUFC1E182L          | 100            |                         |                 |
|             | 16                      | 20           | 2205           | 0.029   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1E182( )        | 100            | 250                     |                 |
| 2200        | 12.5                    | 35           | 2510           | 0.022   | 5000                                      | 0.80                 | 5.0               |                  |                      | EEUFC1E222           | 100            |                         |                 |
|             | 18                      | 20           | 2490           | 0.028   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1E222S( )       | 100            | 250                     |                 |
| 2700        | 16                      | 25           | 2555           | 0.022   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1E272( )        | 100            | 250                     |                 |
| 3300        | 16                      | 31.5         | 3010           | 0.018   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1E332           | 100            |                         |                 |
|             | 18                      | 25           | 2740           | 0.020   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1E332S( )       | 100            | 250                     |                 |
| 3900        | 16                      | 35.5         | 3150           | 0.016   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1E392L          | 100            |                         |                 |
|             | 18                      | 31.5         | 3635           | 0.016   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1E392           | 50             |                         |                 |
| 4700        | 18                      | 35.5         | 3680           | 0.015   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1E472           | 50             |                         |                 |
| 5600        | 18                      | 40           | 3735           | 0.014   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1E562           | 50             |                         |                 |

When requesting taped product, please put the letter "B" or "H" between the "( )". Lead wire pitch B=5 mm, 7.5 mm, H=2.5 mm. The taping dimensions are explained on p.178 of our Catalog. Please use it as a reference guide.

### Standard Products

| W.V.<br>(V) | Cap.<br>(±20 %)<br>(μF) | Case size    |                | Specification   |   |                      | Lead Length       |                  |                      |                      | Part No.       | Min. Packaging Qty      |                 |
|-------------|-------------------------|--------------|----------------|---|---|----------------------|-------------------|------------------|----------------------|----------------------|----------------|-------------------------|-----------------|
|             |                         | Dia.<br>(mm) | Length<br>(mm) | Ripple Current<br>(100 kHz)<br>(+105 °C)<br>(mA r.m.s.) | Impedance<br>(100 kHz)<br>(+20 °C)<br>(Ω) | Endurance<br>(hours) | Lead Dia.<br>(mm) | Lead Space       |                      |                      |                | Straight Leads<br>(pcs) | Taping<br>(pcs) |
|             |                         |              |                |   |   |                      |                   | Straight<br>(mm) | Taping<br>*B<br>(mm) | Taping<br>*H<br>(mm) |                |                         |                 |
| 35          | 6.8                     | 4            | 7              | 65  | 2.000                                     | 1000                 | 0.45              | 1.5              | 5.0                  | 2.5                  | EEAFC1V6R8( )  | 200                     | 2000            |
|             | 12                      | 5            | 7              | 120   | 0.950                                     | 1000                 | 0.45              | 2.0              | 5.0                  | 2.5                  | EEAFC1V120( )  | 200                     | 2000            |
|             | 18                      | 4            | 11             | 120   | 1.300                                     | 1000                 | 0.45              | 1.5              | 5.0                  | 2.5                  | EEUFC1V180( )  | 200                     | 2000            |
|             | 22                      | 5            | 11             | 175   | 0.800                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5                  | EEUFC1V220( )  | 200                     | 2000            |
|             | 27                      | 5            | 11             | 175   | 0.800                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5                  | EEUFC1V270( )  | 200                     | 2000            |
|             |                         | 6.3          | 7              | 200   | 0.450                                     | 1000                 | 0.45              | 2.5              | 5.0                  | 2.5                  | EEAFC1V270( )  | 200                     | 2000            |
|             | 33                      | 5            | 11             | 175   | 0.080                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5                  | EEUFC1V330( )  | 200                     | 2000            |
|             | 39                      | 5            | 15             | 235   | 0.500                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5                  | EEUFC1V390( )  | 200                     | 2000            |
|             | 47                      | 6.3          | 11.2           | 290   | 0.350                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5                  | EEUFC1V470( )  | 200                     | 2000            |
|             | 56                      | 6.3          | 11.2           | 290   | 0.350                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5                  | EEUFC1V560( )  | 200                     | 2000            |
|             | 68                      | 6.3          | 11.2           | 290   | 0.350                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5                  | EEUFC1V680( )  | 200                     | 2000            |
|             | 82                      | 6.3          | 15             | 400   | 0.250                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5                  | EEUFC1V820( )  | 200                     | 2000            |
|             | 100                     | 8            | 11.5           | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                      | EEUFC1V101( )  | 200                     | 1000            |
|             | 120                     | 8            | 11.5           | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                      | EEUFC1V121( )  | 200                     | 1000            |
|             | 150                     | 8            | 11.5           | 555   | 0.117                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                      | EEUFC1V151( )  | 200                     | 1000            |
|             | 180                     | 10           | 12.5           | 755   | 0.090                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1V181( )  | 200                     | 500             |
|             | 220                     | 8            | 15             | 730   | 0.085                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                      | EEUFC1V221L( ) | 200                     | 1000            |
|             |                         | 10           | 12.5           | 755   | 0.090                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1V221( )  | 200                     | 500             |
|             | 270                     | 10           | 16             | 1050  | 0.068                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1V271( )  | 200                     | 500             |
|             | 330                     | 8            | 20             | 995   | 0.065                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                      | EEUFC1V331L( ) | 200                     | 1000            |
|             |                         | 10           | 16             | 1050  | 0.068                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1V331( )  | 200                     | 500             |
|             | 390                     | 10           | 20             | 1220  | 0.052                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1V391( )  | 200                     | 500             |
|             |                         | 12.5         | 15             | 1205  | 0.065                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1V391S( ) | 200                     | 500             |
|             | 470                     | 10           | 20             | 1220  | 0.052                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1V471( )  | 200                     | 500             |
|             | 560                     | 10           | 25             | 1440  | 0.045                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1V561( )  | 200                     | 500             |
|             |                         | 12.5         | 20             | 1655  | 0.038                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1V561S( ) | 200                     | 500             |
|             | 680                     | 10           | 30             | 1815  | 0.035                                     | 3000                 | 0.60              | 5.0              |                      |                      | EEUFC1V681L    | 100                     |                 |
|             |                         | 12.5         | 20             | 1655  | 0.038                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1V681( )  | 200                     | 500             |
|             |                         | 16           | 15             | 1690  | 0.043                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                      | EEUFC1V681S( ) | 100                     | 250             |
|             | 820                     | 12.5         | 25             | 1945  | 0.030                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1V821L( ) | 200                     | 500             |
|             |                         | 18           | 15             | 2000  | 0.038                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                      | EEUFC1V821( )  | 100                     | 250             |
|             | 1000                    | 12.5         | 25             | 1945  | 0.030                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1V102( )  | 200                     | 500             |
|             |                         | 16           | 20             | 2205  | 0.029                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                      | EEUFC1V102S( ) | 100                     | 250             |
|             | 1200                    | 12.5         | 30             | 2310  | 0.025                                     | 5000                 | 0.80              | 5.0              |                      |                      | EEUFC1V122L    | 100                     |                 |
|             |                         | 16           | 20             | 2205  | 0.029                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                      | EEUFC1V122( )  | 100                     | 250             |
|             | 1500                    | 12.5         | 35             | 2510  | 0.022                                     | 5000                 | 0.80              | 5.0              |                      |                      | EEUFC1V152L    | 100                     |                 |
|             |                         | 16           | 25             | 2555  | 0.022                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                      | EEUFC1V152( )  | 100                     | 250             |
|             |                         | 18           | 20             | 2490  | 0.028                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                      | EEUFC1V152S( ) | 100                     | 250             |
|             | 1800                    | 12.5         | 40             | 2655  | 0.018                                     | 5000                 | 0.80              | 5.0              |                      |                      | EEUFC1V182L    | 100                     |                 |
| 16          |                         | 25           | 2555           | 0.022   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1V182( )        | 100            | 250                     |                 |
| 18          |                         | 20           | 2490           | 0.028   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1V182S( )       | 100            | 250                     |                 |
| 2200        | 16                      | 31.5         | 3010           | 0.018   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1V222           | 100            |                         |                 |
|             | 18                      | 25           | 2740           | 0.020   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1V222S( )       | 100            | 250                     |                 |
| 2700        | 16                      | 35.5         | 3150           | 0.016   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1V272L          | 100            |                         |                 |
|             | 18                      | 31.5         | 3635           | 0.016   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1V272           | 50             |                         |                 |
| 3300        | 18                      | 35.5         | 3680           | 0.015   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1V332           | 50             |                         |                 |
| 3900        | 18                      | 40           | 3735           | 0.014   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1V392           | 50             |                         |                 |

When requesting taped product, please put the letter "B" or "H" between the "( )". Lead wire pitch B=5 mm, 7.5 mm, H=2.5 mm. The taping dimensions are explained on p.178 of our Catalog. Please use it as a reference guide.

### Standard Products

| W.V.<br>(V) | Cap.<br>(±20 %)<br>(μF) | Case size    |                | Specification   |   |                      | Lead Length       |                  |                      |                      | Part No.       | Min. Packaging Qty      |                 |
|-------------|-------------------------|--------------|----------------|---|---|----------------------|-------------------|------------------|----------------------|----------------------|----------------|-------------------------|-----------------|
|             |                         | Dia.<br>(mm) | Length<br>(mm) | Ripple Current<br>(100 kHz)<br>(+105 °C)<br>(mA r.m.s.) | Impedance<br>(100 kHz)<br>(+20 °C)<br>(Ω) | Endurance<br>(hours) | Lead Dia.<br>(mm) | Lead Space       |                      |                      |                | Straight Leads<br>(pcs) | Taping<br>(pcs) |
|             |                         |              |                |   |   |                      |                   | Straight<br>(mm) | Taping<br>*B<br>(mm) | Taping<br>*H<br>(mm) |                |                         |                 |
| 50          | 1.0                     | 5            | 11             | 20  | 2.400                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5                  | EEUFC1H1R0( )  | 200                     | 2000            |
|             | 2.2                     | 5            | 11             | 45  | 1.800                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5                  | EEUFC1H2R2( )  | 200                     | 2000            |
|             | 3.3                     | 5            | 11             | 65  | 1.300                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5                  | EEUFC1H3R3( )  | 200                     | 2000            |
|             | 4.7                     | 5            | 11             | 95  | 1.300                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5                  | EEUFC1H4R7( )  | 200                     | 2000            |
|             | 10                      | 4            | 11             | 90  | 2.500                                     | 1000                 | 0.45              | 1.5              | 5.0                  | 2.5                  | EEUFC1H100( )  | 200                     | 2000            |
|             |                         | 5            | 11             | 125   | 1.300                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5                  | EEUFC1H100L( ) | 200                     | 2000            |
|             | 12                      | 5            | 11             | 135   | 1.300                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5                  | EEUFC1H120( )  | 200                     | 2000            |
|             | 15                      | 5            | 11             | 145   | 1.300                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5                  | EEUFC1H150( )  | 200                     | 2000            |
|             | 18                      | 5            | 11             | 155   | 1.300                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5                  | EEUFC1H180( )  | 200                     | 2000            |
|             | 22                      | 5            | 11             | 155   | 1.300                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5                  | EEUFC1H220( )  | 200                     | 2000            |
|             | 27                      | 5            | 15             | 215   | 0.900                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5                  | EEUFC1H270( )  | 200                     | 2000            |
|             | 33                      | 6.3          | 11.2           | 260   | 0.600                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5                  | EEUFC1H330( )  | 200                     | 2000            |
|             | 39                      | 6.3          | 11.2           | 260   | 0.600                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5                  | EEUFC1H390( )  | 200                     | 2000            |
|             | 47                      | 6.3          | 11.2           | 260   | 0.600                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5                  | EEUFC1H470( )  | 200                     | 2000            |
|             | 56                      | 6.3          | 15             | 360   | 0.400                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5                  | EEUFC1H560( )  | 200                     | 2000            |
|             | 68                      | 8            | 11.5           | 485   | 0.234                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                      | EEUFC1H680( )  | 200                     | 1000            |
|             | 82                      | 8            | 11.5           | 485   | 0.234                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                      | EEUFC1H820( )  | 200                     | 1000            |
|             | 100                     | 10           | 12.5           | 615   | 0.162                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1H101( )  | 200                     | 500             |
|             | 120                     | 8            | 15             | 635   | 0.155                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                      | EEUFC1H121L( ) | 200                     | 1000            |
|             |                         | 10           | 12.5           | 615   | 0.162                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1H121( )  | 200                     | 500             |
|             | 150                     | 10           | 16             | 850   | 0.119                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1H151( )  | 200                     | 500             |
|             | 180                     | 8            | 20             | 860   | 0.120                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                      | EEUFC1H181L( ) | 200                     | 1000            |
|             |                         | 10           | 16             | 850   | 0.119                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1H181( )  | 200                     | 500             |
|             | 220                     | 10           | 20             | 1030  | 0.090                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1H221( )  | 200                     | 500             |
|             |                         | 12.5         | 15             | 1150  | 0.110                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1H221S( ) | 200                     | 500             |
|             | 270                     | 10           | 25             | 1200  | 0.082                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1H271( )  | 200                     | 500             |
|             | 330                     | 10           | 30             | 1610  | 0.060                                     | 3000                 | 0.60              | 5.0              |                      |                      | EEUFC1H331L    | 100                     |                 |
|             |                         | 12.5         | 20             | 1480  | 0.063                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1H331( )  | 200                     | 500             |
|             | 390                     | 12.5         | 20             | 1480  | 0.063                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1H391( )  | 200                     | 500             |
|             |                         | 16           | 15             | 1610  | 0.080                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                      | EEUFC1H391S( ) | 100                     | 250             |
|             | 470                     | 10           | 30             | 1610  | 0.060                                     | 3000                 | 0.60              | 5.0              |                      |                      | EEUFC1H471L    | 100                     |                 |
|             |                         | 12.5         | 25             | 1832  | 0.050                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1H471( )  | 200                     | 500             |
| 560         | 12.5                    | 25           | 1832           | 0.050   | 5000                                      | 0.60                 | 5.0               | 5.0              |                      | EEUFC1H561( )        | 200            | 500                     |                 |
|             | 18                      | 15           | 1900           | 0.068   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1H561S( )       | 100            | 250                     |                 |
| 680         | 12.5                    | 30           | 2215           | 0.040   | 5000                                      | 0.80                 | 5.0               |                  |                      | EEUFC1H681L          | 100            |                         |                 |
|             | 16                      | 20           | 1835           | 0.048   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1H681( )        | 100            | 250                     |                 |
| 820         | 12.5                    | 35           | 2285           | 0.034   | 5000                                      | 0.80                 | 5.0               |                  |                      | EEUFC1H821L          | 100            |                         |                 |
|             | 18                      | 20           | 2420           | 0.042   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1H821( )        | 100            | 250                     |                 |
| 1000        | 12.5                    | 40           | 2590           | 0.030   | 5000                                      | 0.80                 | 5.0               |                  |                      | EEUFC1H102L          | 100            |                         |                 |
|             | 16                      | 25           | 2235           | 0.034   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1H102( )        | 100            | 250                     |                 |
| 1200        | 16                      | 31.5         | 2700           | 0.028   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1H122           | 100            |                         |                 |
|             | 18                      | 25           | 2610           | 0.029   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1H122S( )       | 100            | 250                     |                 |
| 1500        | 16                      | 35.5         | 2790           | 0.025   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1H152L          | 100            |                         |                 |
| 1800        | 16                      | 40           | 2845           | 0.023   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1H182L          | 100            |                         |                 |
|             | 18                      | 31.5         | 3000           | 0.025   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1H182           | 50             |                         |                 |
| 2200        | 18                      | 35.5         | 3100           | 0.023   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1H222           | 50             |                         |                 |

When requesting taped product, please put the letter "B" or "H" between the "( )". Lead wire pitch B=5 mm, 7.5 mm, H=2.5 mm. The taping dimensions are explained on p.178 of our Catalog. Please use it as a reference guide.

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.



### ■ Standard Products

| W.V.<br>(V) | Cap.<br>(±20 %)<br>(μF) | Case size    |                | Specification   |   |                      | Lead Length       |                  |                      |                      | Part No.       | Min. Packaging Q'ty     |                 |
|-------------|-------------------------|--------------|----------------|---|---|----------------------|-------------------|------------------|----------------------|----------------------|----------------|-------------------------|-----------------|
|             |                         | Dia.<br>(mm) | Length<br>(mm) | Ripple Current<br>(100 kHz)<br>(+105 °C)<br>(mA r.m.s.) | Impedance<br>(100 kHz)<br>(+20 °C)<br>(Ω) | Endurance<br>(hours) | Lead Dia.<br>(mm) | Lead Space       |                      |                      |                | Straight Leads<br>(pcs) | Taping<br>(pcs) |
|             |                         |              |                |   |   |                      |                   | Straight<br>(mm) | Taping<br>*B<br>(mm) | Taping<br>*H<br>(mm) |                |                         |                 |
| 63          | 6.8                     | 4            | 11             | 80  | 3.500                                     | 1000                 | 0.45              | 1.5              | 5.0                  | 2.5                  | EEUFC1J6R8( )  | 200                     | 2000            |
|             | 12                      | 5            | 11             | 145   | 2.000                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5                  | EEUFC1J120( )  | 200                     | 2000            |
|             | 18                      | 5            | 15             | 200   | 1.300                                     | 1000                 | 0.50              | 2.0              | 5.0                  | 2.5                  | EEUFC1J180( )  | 200                     | 2000            |
|             | 22                      | 6.3          | 11.2           | 240   | 1.000                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5                  | EEUFC1J220( )  | 200                     | 2000            |
|             | 33                      | 6.3          | 11.2           | 240   | 1.000                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5                  | EEUFC1J330( )  | 200                     | 2000            |
|             | 39                      | 6.3          | 15             | 330   | 0.700                                     | 1000                 | 0.50              | 2.5              | 5.0                  | 2.5                  | EEUFC1J390( )  | 200                     | 2000            |
|             | 47                      | 8            | 11.5           | 405   | 0.342                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                      | EEUFC1J470( )  | 200                     | 1000            |
|             | 56                      | 8            | 11.5           | 405   | 0.342                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                      | EEUFC1J560( )  | 200                     | 1000            |
|             | 68                      | 8            | 11.5           | 405   | 0.342                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                      | EEUFC1J680( )  | 200                     | 1000            |
|             | 82                      | 10           | 12.5           | 535   | 0.256                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1J820( )  | 200                     | 500             |
|             | 100                     | 8            | 15             | 535   | 0.230                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                      | EEUFC1J101L( ) | 200                     | 1000            |
|             |                         | 10           | 12.5           | 535   | 0.256                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1J101( )  | 200                     | 500             |
|             | 120                     | 10           | 16             | 600   | 0.194                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1J121( )  | 200                     | 500             |
|             | 150                     | 8            | 20             | 690   | 0.178                                     | 2000                 | 0.60              | 3.5              | 5.0                  |                      | EEUFC1J151( )  | 200                     | 1000            |
|             | 180                     | 10           | 20             | 885   | 0.147                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1J181( )  | 200                     | 500             |
|             |                         | 12.5         | 15             | 1020  | 0.150                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1J181S( ) | 200                     | 500             |
|             | 220                     | 10           | 20             | 885   | 0.147                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1J221X( ) | 200                     | 500             |
|             |                         | 10           | 25             | 1050  | 0.130                                     | 3000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1J221( )  | 200                     | 500             |
|             |                         | 12.5         | 20             | 1285  | 0.085                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1J221S( ) | 200                     | 500             |
|             | 270                     | 16           | 15             | 1410  | 0.090                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                      | EEUFC1J271( )  | 100                     | 250             |
|             | 330                     | 10           | 30             | 1300  | 0.090                                     | 3000                 | 0.60              | 5.0              |                      |                      | EEUFC1J331L    | 100                     |                 |
|             |                         | 12.5         | 20             | 1285  | 0.085                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1J331( )  | 200                     | 500             |
|             | 390                     | 12.5         | 25             | 1720  | 0.070                                     | 5000                 | 0.60              | 5.0              | 5.0                  |                      | EEUFC1J391( )  | 200                     | 500             |
|             |                         | 18           | 15             | 1690  | 0.086                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                      | EEUFC1J391S( ) | 100                     | 250             |
|             | 470                     | 12.5         | 30             | 2090  | 0.055                                     | 5000                 | 0.80              | 5.0              |                      |                      | EEUFC1J471L    | 100                     |                 |
|             |                         | 16           | 20             | 1765  | 0.059                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                      | EEUFC1J471( )  | 100                     | 250             |
|             | 560                     | 16           | 25             | 2160  | 0.050                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                      | EEUFC1J561( )  | 100                     | 250             |
|             | 680                     | 12.5         | 35             | 2265  | 0.047                                     | 5000                 | 0.80              | 5.0              |                      |                      | EEUFC1J681L    | 100                     |                 |
|             |                         | 16           | 25             | 2160  | 0.050                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                      | EEUFC1J681( )  | 100                     | 250             |
|             |                         | 18           | 20             | 2290  | 0.055                                     | 5000                 | 0.80              | 7.5              | 7.5                  |                      | EEUFC1J681S( ) | 100                     | 250             |
| 820         | 12.5                    | 40           | 2560           | 0.042   | 5000                                      | 0.80                 | 5.0               |                  |                      | EEUFC1J821L          | 100            |                         |                 |
|             | 16                      | 31.5         | 2670           | 0.043   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1J821           | 100            |                         |                 |
|             | 18                      | 25           | 2585           | 0.043   | 5000                                      | 0.80                 | 7.5               | 7.5              |                      | EEUFC1J821S( )       | 100            | 250                     |                 |
| 1000        | 16                      | 31.5         | 2670           | 0.043   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1J102U          | 100            |                         |                 |
|             | 16                      | 35.5         | 2770           | 0.036   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1J102           | 100            |                         |                 |
| 1200        | 16                      | 40           | 2825           | 0.030   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1J122L          | 100            |                         |                 |
|             | 18                      | 31.5         | 2950           | 0.032   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1J122           | 50             |                         |                 |
| 1500        | 18                      | 35.5         | 3095           | 0.030   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1J152           | 50             |                         |                 |
| 1800        | 18                      | 40           | 3205           | 0.025   | 5000                                      | 0.80                 | 7.5               |                  |                      | EEUFC1J182           | 50             |                         |                 |

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### Standard Products

| W.V.<br>(V) | Cap.<br>(±20 %)<br>(μF) | Case size    |                | Specification   |   |                      | Lead Length       |                  |                      |                      | Part No.       | Min. Packaging Qty      |                 |
|-------------|-------------------------|--------------|----------------|---|---|----------------------|-------------------|------------------|----------------------|----------------------|----------------|-------------------------|-----------------|
|             |                         | Dia.<br>(mm) | Length<br>(mm) | Ripple Current<br>(100 kHz)<br>(+105 °C)<br>(mA r.m.s.) | Impedance<br>(100 kHz)<br>(+20 °C)<br>(Ω) | Endurance<br>(hours) | Lead Dia.<br>(mm) | Lead Space       |                      |                      |                | Straight Leads<br>(pcs) | Taping<br>(pcs) |
|             |                         |              |                |   |   |                      |                   | Straight<br>(mm) | Taping<br>*B<br>(mm) | Taping<br>*H<br>(mm) |                |                         |                 |
| 100         | 5.6                     | 5            | 11             | 80  | 4.10                                      | 1000                 | 0.5               | 2.0              | 5.0                  | 2.5                  | EEUFC2A5R6( )  | 200                     | 2000            |
|             | 8.2                     | 5            | 15             | 90  | 2.80                                      | 1000                 | 0.5               | 2.0              | 5.0                  | 2.5                  | EEUFC2A8R2( )  | 200                     | 2000            |
|             | 12                      | 6.3          | 11.2           | 114   | 1.80                                      | 1000                 | 0.5               | 2.5              | 5.0                  | 2.5                  | EEUFC2A120( )  | 200                     | 2000            |
|             | 18                      | 6.3          | 15             | 155   | 1.10                                      | 1000                 | 0.5               | 2.5              | 5.0                  | 2.5                  | EEUFC2A180( )  | 200                     | 2000            |
|             | 22                      | 8            | 11.5           | 260   | 0.680                                     | 2000                 | 0.6               | 3.5              | 5.0                  |                      | EEUFC2A220( )  | 200                     | 1000            |
|             | 33                      | 8            | 15             | 340   | 0.450                                     | 2000                 | 0.6               | 3.5              | 5.0                  |                      | EEUFC2A330L( ) | 200                     | 1000            |
|             |                         | 10           | 12.5           | 306   | 0.530                                     | 3000                 | 0.6               | 5.0              | 5.0                  |                      | EEUFC2A330( )  | 200                     | 500             |
|             | 39                      | 8            | 20             | 455   | 0.330                                     | 2000                 | 0.6               | 5.0              | 5.0                  |                      | EEUFC2A390L( ) | 200                     | 1000            |
|             |                         | 10           | 16             | 400   | 0.360                                     | 3000                 | 0.6               | 5.0              | 5.0                  |                      | EEUFC2A390( )  | 200                     | 500             |
|             | 56                      | 10           | 20             | 463   | 0.240                                     | 3000                 | 0.6               | 5.0              | 5.0                  |                      | EEUFC2A560( )  | 200                     | 500             |
|             | 68                      | 10           | 25             | 599   | 0.210                                     | 3000                 | 0.6               | 5.0              | 5.0                  |                      | EEUFC2A680L( ) | 200                     | 500             |
|             |                         | 12.5         | 15             | 511   | 0.230                                     | 5000                 | 0.6               | 5.0              | 5.0                  |                      | EEUFC2A680( )  | 200                     | 500             |
|             | 100                     | 10           | 30             | 698   | 0.150                                     | 3000                 | 0.6               | 5.0              |                      |                      | EEUFC2A101L    | 100                     |                 |
|             |                         | 12.5         | 20             | 671   | 0.180                                     | 5000                 | 0.6               | 5.0              | 5.0                  |                      | EEUFC2A101( )  | 200                     | 500             |
|             | 120                     | 16           | 15             | 793   | 0.140                                     | 5000                 | 0.8               | 7.5              | 7.5                  |                      | EEUFC2A121S( ) | 100                     | 250             |
|             | 150                     | 12.5         | 25             | 807   | 0.110                                     | 5000                 | 0.6               | 5.0              | 5.0                  |                      | EEUFC2A151( )  | 200                     | 500             |
|             |                         | 18           | 15             | 917   | 0.120                                     | 5000                 | 0.8               | 7.5              | 7.5                  |                      | EEUFC2A151S( ) | 100                     | 250             |
|             | 180                     | 12.5         | 30             | 937   | 0.098                                     | 5000                 | 0.8               | 5.0              |                      |                      | EEUFC2A181L    | 100                     |                 |
|             |                         | 16           | 20             | 995   | 0.110                                     | 5000                 | 0.8               | 7.5              | 7.5                  |                      | EEUFC2A181( )  | 100                     | 250             |
|             | 220                     | 12.5         | 35             | 1040  | 0.087                                     | 5000                 | 0.8               | 5.0              |                      |                      | EEUFC2A221L    | 100                     |                 |
| 16          |                         | 25           | 1170           | 0.089   | 5000                                      | 0.8                  | 7.5               | 7.5              |                      | EEUFC2A221( )        | 100            | 250                     |                 |
| 270         | 12.5                    | 40           | 1130           | 0.072   | 5000                                      | 0.8                  | 5.0               |                  |                      | EEUFC2A271L          | 100            |                         |                 |
|             | 18                      | 20           | 1230           | 0.080   | 5000                                      | 0.8                  | 7.5               | 7.5              |                      | EEUFC2A271S( )       | 100            | 250                     |                 |
| 330         | 16                      | 31.5         | 1520           | 0.062   | 5000                                      | 0.8                  | 7.5               |                  |                      | EEUFC2A331           | 100            |                         |                 |
|             | 18                      | 25           | 1420           | 0.070   | 5000                                      | 0.8                  | 7.5               | 7.5              |                      | EEUFC2A331S( )       | 100            | 250                     |                 |
| 390         | 16                      | 35.5         | 1730           | 0.053   | 5000                                      | 0.8                  | 7.5               |                  |                      | EEUFC2A391L          | 100            |                         |                 |
|             | 18                      | 31.5         | 1600           | 0.062   | 5000                                      | 0.8                  | 7.5               |                  |                      | EEUFC2A391           | 50             |                         |                 |
| 470         | 16                      | 40           | 1920           | 0.047   | 5000                                      | 0.8                  | 7.5               |                  |                      | EEUFC2A471           | 100            |                         |                 |
| 560         | 18                      | 35.5         | 1770           | 0.041   | 5000                                      | 0.8                  | 7.5               |                  |                      | EEUFC2A561           | 50             |                         |                 |
| 680         | 18                      | 40           | 2300           | 0.036   | 5000                                      | 0.8                  | 7.5               |                  |                      | EEUFC2A681           | 50             |                         |                 |

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