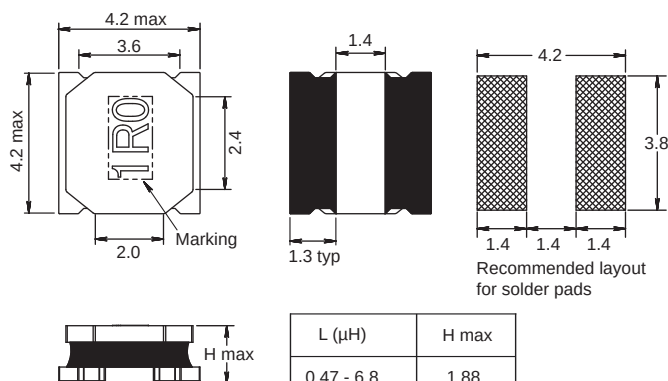
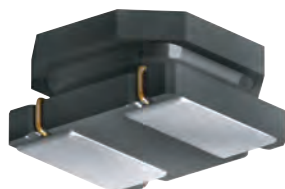


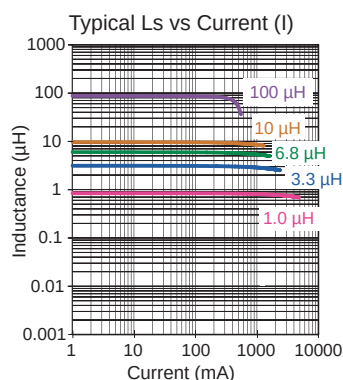
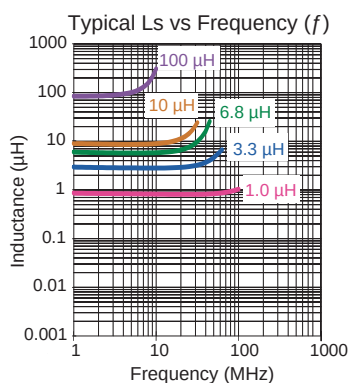
# 1616 FPS

Semi-shielded

Engineer's Kit: EK-1616FPS-X



| L (μH)     | H max |
|------------|-------|
| 0.47 - 6.8 | 1.88  |
| 10 - 220   | 1.80  |



| Part No         | Inductance<br>L (μH) | $f_L$<br>(kHz) | Tol<br>± (%) | DCR<br>max<br>(mΩ) | Rated DC Current<br>$I_{sat}$<br>(A) | $I_{rms}$<br>(A) |
|-----------------|----------------------|----------------|--------------|--------------------|--------------------------------------|------------------|
| 1616FPS-R47N-01 | 0.47                 | 100 @ 1 V      | 30           | 41.6               | 3.50                                 | 4.00             |
| 1616FPS-R82N-01 | 0.82                 | 100 @ 1 V      | 30           | 20.8               | 4.20                                 | 4.00             |
| 1616FPS-1R0N-01 | 1.0                  | 100 @ 1 V      | 30           | 24.7               | 4.70                                 | 3.70             |
| 1616FPS-1R2N-01 | 1.2                  | 100 @ 1 V      | 30           | 27.3               | 4.00                                 | 3.50             |
| 1616FPS-1R5N-01 | 1.5                  | 100 @ 1 V      | 30           | 35.1               | 3.50                                 | 3.10             |
| 1616FPS-2R2M-01 | 2.2                  | 100 @ 1 V      | 20           | 44.4               | 3.00                                 | 2.90             |
| 1616FPS-2R7M-01 | 2.7                  | 100 @ 1 V      | 20           | 52.0               | 2.40                                 | 2.30             |
| 1616FPS-3R3M-01 | 3.3                  | 100 @ 1 V      | 20           | 66.0               | 2.30                                 | 2.20             |
| 1616FPS-4R7M-01 | 4.7                  | 100 @ 1 V      | 20           | 84.0               | 2.00                                 | 1.90             |
| 1616FPS-6R8M-01 | 6.8                  | 100 @ 1 V      | 20           | 118                | 1.60                                 | 1.50             |
| 1616FPS-100M-01 | 10                   | 100 @ 1 V      | 20           | 180                | 1.40                                 | 1.30             |
| 1616FPS-150M-01 | 15                   | 100 @ 1 V      | 20           | 264                | 1.10                                 | 1.00             |
| 1616FPS-220M-01 | 22                   | 100 @ 1 V      | 20           | 348                | 0.95                                 | 0.90             |
| 1616FPS-330M-01 | 33                   | 100 @ 1 V      | 20           | 552                | 0.75                                 | 0.70             |
| 1616FPS-470M-01 | 47                   | 100 @ 1 V      | 20           | 780                | 0.62                                 | 0.60             |
| 1616FPS-680M-01 | 68                   | 100 @ 1 V      | 20           | 1128               | 0.50                                 | 0.50             |
| 1616FPS-101M-01 | 100                  | 100 @ 1 V      | 20           | 1596               | 0.45                                 | 0.42             |
| 1616FPS-151M-01 | 150                  | 100 @ 1 V      | 20           | 2400               | 0.35                                 | 0.32             |
| 1616FPS-221M-01 | 220                  | 100 @ 1 V      | 20           | 3552               | 0.30                                 | 0.28             |

Core Material: Ferrite

SPQ: Taped / Reel 3000 [-01]

Revision date: 11 Mar 2022