KEMET Part Number: C0805C103J8RACTU

(C0805C103J8RAC7800)



SMD Comm X7R, Ceramic, 0.01 uF, 5%, 10 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 0805



| Dimensions | |
|------------|------------------|
| L | 2mm +/-0.2mm |
| W | 1.25mm +/-0.2mm |
| Т | 0.78mm +/-0.10mm |
| S | 0.75mm MIN |
| В | 0.5mm +/-0.25mm |

| Packaging Specifications | | |
|--------------------------|------------------------|--|
| Packaging: | T&R, 180mm, Paper Tape | |
| Packaging Quantity: | 4000 | |

| General Information | |
|---------------------|--|
| Series: | SMD Comm X7R |
| Style: | SMD Chip |
| Description: | SMD, MLCC, Temperature Stable, Class II |
| Features: | Temperature Stable, Class II |
| RoHS: | Yes |
| Termination: | Tin |
| Marking: | No |
| AEC-Q200: | No |
| Miscellaneous: | Note: Referee time for X7R dielectric for this part number is 48 hours |
| Chip Size: | 0805 |
| Shelf Life: | 78 Weeks |
| MSL: | 1 |

| Specifications | | |
|---|------------------------|--|
| Capacitance: | 10000 pF, 1kHz 1.0Vrms | |
| Capacitance Tolerance: | 5% | |
| Voltage DC: | 10 VDC | |
| Dielectric Withstanding Voltage: | 25 VDC | |
| Temperature Range: | -55/+125°C | |
| Temperature Coefficient: | X7R | |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC): | 15%, 1kHz 1.0Vrms | |
| Dissipation Factor: | 5.00% 1kHz 1.0Vrms | |
| Aging Rate: | 3% Loss/Decade Hour | |
| Insulation Resistance: | 100 GOhms | |

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