KEMET Part Number: C1210C104K2RACTU

(C1210C104K2RAC7800)



SMD Comm X7R, Ceramic, 0.1 uF, 10%, 200 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 1210



| Dimensions | |
|------------|------------------|
| L | 3.2mm +/-0.2mm |
| W | 2.5mm +/-0.2mm |
| Т | 1.25mm +/-0.15mm |
| В | 0.5mm +/-0.25mm |

| Packaging Specifications | | |
|--------------------------|--------------------------|--|
| Packaging: | T&R, 180mm, Plastic Tape | |
| Packaging Quantity: | 2500 | |

| 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 1000 hours |
| Chip Size: | 1210 |
| Shelf Life: | 78 Weeks |
| MSL: | 1 |

| Specifications | | |
|---|-------------------------|--|
| Capacitance: | 100000 pF, 1kHz 1.0Vrms | |
| Capacitance Tolerance: | 10% | |
| Voltage DC: | 200 VDC | |
| Dielectric Withstanding Voltage: | 500 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: | 2.50% 1kHz 1.0Vrms | |
| Aging Rate: | 3% Loss/Decade Hour | |
| Insulation Resistance: | 10 GOhms | |

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