KEMET Part Number: C1812F105M1RAC



SMD Comm X7R FO, Ceramic, 1 uF, 20%, 100 VDC, X7R, SMD, MLCC, Open Mode, Temperature Stable, 1812



| Dimensions | |
|------------|-----------------|
| Chip Size | 1812 |
| L | 4.5mm +/-0.3mm |
| W | 3.2mm +/-0.3mm |
| Т | 2mm +/-0.20mm |
| В | 0.6mm +/-0.35mm |

| Packaging Specifications | | |
|--------------------------|-----------|--|
| Packaging: | Bulk, Bag | |
| Packaging Quantity: | 1 | |

| General Information | |
|---------------------|---|
| Series: | SMD Comm X7R FO |
| Style: | SMD Chip |
| Description: | SMD, MLCC, Open Mode, Temperature Stable |
| Features: | Open Mode, Temperature Stable |
| RoHS: | Yes |
| Termination: | Tin |
| Marking: | No |
| AEC-Q200: | No |
| Component Weight: | 185 mg |
| Shelf Life: | 78 Weeks |
| MSL: | 1 |

| Specifications | |
|---|--|
| Capacitance: | 1 uF |
| Measurement Condition: | 1 kHz 1.0Vrms |
| Capacitance Tolerance: | 20% |
| Voltage DC: | 100 VDC |
| Dielectric Withstanding Voltage: | 250 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: | 2.5% 1 kHz 1.0Vrms |
| Aging Rate: | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance: | 1 GOhms |

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