

KEMET Part Number: C0805C102K5HACTU
(C0805C102K5HAC7800)



SMD Comm X8R HT150C, Ceramic, 1000 pF, 10%, 50 VDC, X8R, SMD, MLCC, High Temperature, Ultra-Stable, 0805



Dimensions

| Chip Size | 0805 |
|-----------|------------------|
| L | 2mm +/-0.2mm |
| W | 1.25mm +/-0.2mm |
| T | 0.78mm +/-0.10mm |
| S | 0.75mm MIN |
| B | 0.5mm +/-0.25mm |

Packaging Specifications

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

General Information

| | |
|--------------------------|---|
| Series: | SMD Comm X8R HT150C |
| Style: | SMD Chip |
| Description: | SMD, MLCC, High Temperature, Ultra-Stable |
| Features: | High Temperature, Ultra-Stable |
| RoHS: | Yes |
| Termination: | Tin |
| Marking: | No |
| AEC-Q200: | No |
| Component Weight: | 11 mg |
| Shelf Life: | 78 Weeks |
| MSL: | 1 |

Specifications

| | |
|--|---|
| Capacitance: | 1000 pF |
| Measurement Condition: | 1 MHz 1.0Vrms |
| Capacitance Tolerance: | 10% |
| Voltage DC: | 50 VDC |
| Dielectric Withstanding Voltage: | 125 VDC |
| Temperature Range: | -55/+150°C |
| Temperature Coefficient: | X8R |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC): | 15%, 1MHz 1.0Vrms |
| Dissipation Factor: | 2.5% 1 MHz 1.0Vrms |
| Aging Rate: | 0% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance: | 100 GOhms |

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