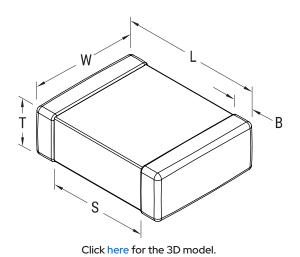


C0805T104K1RACTU

Aliases (C0805T104K1RAC7800) SMD COTS X7R, Ceramic, 0.1 uF, 10%, 100 VDC, X7R, SMD, MLCC, COTS, Temperature Stable, Class II, 0805, 0.7 mm



| General Information | |
|--------------------------|--|
| Series | SMD COTS X7R |
| Style | SMD Chip |
| Description | SMD, MLCC, COTS, Temperature Stable, Class II |
| Features | Temperature Stable, Class II |
| RoHS | Yes |
| Termination | Tin |
| Marking | No |
| Failure Rate | Testing per MIL-PRF-55681 PDA 8% |
| AEC-Q200 | No |
| Typical Component Weight | 16 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

| Dimensions | |
|------------|-----------------|
| Chip Size | 0805 |
| L | 2mm +/-0.2mm |
| W | 1.25mm +/-0.2mm |
| Т | 1mm +/-0.10mm |
| S | 0.7mm MIN |
| В | 0.5mm +/-0.25mm |
| | |

| W | 1.25mm +/-0.2mm | |
|--------------------------|-----------------|--|
| Т | 1mm +/-0.10mm | |
| S | 0.7mm MIN | |
| В | 0.5mm +/-0.25mm | |
| | | |
| Packaging Specifications | | |

2500

T&R, 180mm, Plastic Tape

Packaging

Packaging Quantity

| Specifications | |
|--|--|
| Capacitance | 0.1 uF |
| Measurement Condition | 1 kHz 1.0Vrms |
| Tolerance | 10% |
| Voltage DC | 100 VDC |
| Dielectric Withstanding Voltage | 250 VDC |
| Temperature Range | -55/+125°C |
| Temp. 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 | 10 GOhms |

| Statements of suitability for certain applications are based on our kno | wledge of typical operating conditions for such applications, but are not intended to constitute - and |
|---|--|
| we specifically disclaim - any warranty concerning suitability for a specifically | cific customer application or use. This Information is intended for use only by customers who have the |
| requisite experience and capability to determine the correct products | for their application. Any technical advice inferred from this Information or otherwise provided by us |
| with reference to the use of our products is given gratis, and we assum | ne no obligation or liability for the advice given or results obtained. |

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