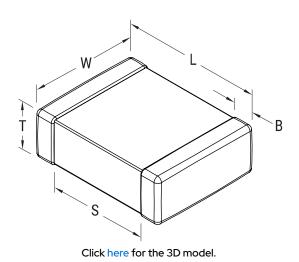


C0805C681MCRALTU

Aliases (C0805C681MCRAL7800) SMD Comm X7R HV, Ceramic, 680 pF, 20%, 500 VDC, X7R, SMD, MLCC, High Voltage, Temperature Stable, 0805, 0.7 mm



| General Information | |
|--------------------------|--|
| Series | SMD Comm X7R HV |
| Style | SMD Chip |
| Description | SMD, MLCC, High Voltage, Temperature Stable |
| RoHS | No |
| Prop 65 | WARNING: Cancer and reproductive harm - https://www.p65warnings.ca.gov / |
| SCIP Number | 5549986b-60cf-4a2a-afbb-4a d1d7a11dcb |
| Termination | Lead (SnPb) |
| Marking | No |
| AEC-Q200 | No |
| Typical Component Weight | 21 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

| Dimensions | |
|------------|------------------|
| Chip Size | 0805 |
| L | 2mm +/-0.2mm |
| W | 1.25mm +/-0.2mm |
| Т | 1.25mm +/-0.15mm |
| S | 0.7mm MIN |
| В | 0.5mm +/-0.25mm |
| | |

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

| Specifications | |
|--|--|
| Capacitance | 680 pF |
| Measurement Condition | 1 kHz 1.0Vrms |
| Tolerance | 20% |
| Voltage DC | 500 VDC |
| Dielectric Withstanding Voltage | 750 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 | 100 GOhms |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific 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 assume no obligation or liability for the advice given or results obtained.

Generated 05/24/2025 © 2006 - 2025 YAGEO