

C1210C309D2TACTU

Aliases (C1210C309D2TAC7800)

SMD Comm X8G HT150C, Ceramic, 3 pF, +/-0.5 pF, 200 VDC, X8G, SMD, MLCC, High Temperature, Ultra-Stable, 1210, 1.5 mm



Click [here](#) for the 3D model.

General Information

| | |
|--------------------------|-------------------------------------------|
| Series | SMD Comm X8G 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 |
| Typical Component Weight | 30 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

Specifications

| | |
|--------------------------------------------------------------------|-------------------------------------------------|
| Capacitance | 3 pF |
| Measurement Condition | 1 MHz 1.0Vrms |
| Tolerance | +/-0.5 pF |
| Voltage DC | 200 VDC |
| Dielectric Withstanding Voltage | 500 VDC |
| Temperature Range | -55/+150°C |
| Temp. Coefficient | X8G |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1MHz 1.0Vrms |
| Dissipation Factor | 0.1% 1 MHz 1.0Vrms |
| Aging Rate | 0% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance | 100 GOhms |

Dimensions

| | |
|-----------|------------------|
| Chip Size | 1210 |
| L | 3.2mm +/-0.2mm |
| W | 2.5mm +/-0.2mm |
| T | 0.78mm +/-0.10mm |
| S | 1.5mm MIN |
| B | 0.5mm +/-0.25mm |

Packaging Specifications

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

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