

C1206S102K5RACTU

Aliases (C1206S102K5RAC7800)

SMD Comm X7R FE, Ceramic, 1000 pF, 10%, 50 VDC, X7R, SMD, MLCC, FE-CAP, Floating Electrode, Temperature Stable, 1206



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

General Information

| | |
|--------------------------|---|
| Series | SMD Comm X7R FE |
| Style | SMD Chip |
| Description | SMD, MLCC, FE-CAP, Floating Electrode, Temperature Stable |
| Features | FE-CAP, Floating Electrode, Temperature Stable |
| RoHS | Yes |
| Termination | Tin |
| Marking | No |
| AEC-Q200 | No |
| Typical Component Weight | 17 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

Dimensions

| | |
|-----------|------------------|
| Chip Size | 1206 |
| L | 3.2mm +/-0.2mm |
| W | 1.6mm +/-0.2mm |
| T | 0.78mm +/-0.10mm |
| B | 0.5mm +/-0.25mm |

Packaging Specifications

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

Specifications

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|--|---|
| Capacitance | 1000 pF |
| Measurement Condition | 1 kHz 1.0Vrms |
| Capacitance Tolerance | 10% |
| Voltage DC | 50 VDC |
| Dielectric Withstanding Voltage | 125 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% 1kHz 1.0Vrms |
| Aging Rate | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance | 100 GOhms |

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