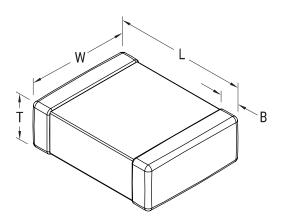
KEMET Part Number: C1206C823K5RAL



SMD Comm X7R SnPb, Ceramic, 0.082 uF, 10%, 50 VDC, X7R, SMD, MLCC, Temperature Stable, SnPb Termination, 1206



| Dimensions | | |
|------------|------------------|--|
| Chip Size | 1206 | |
| L | 3.2mm +/-0.2mm | |
| W | 1.6mm +/-0.2mm | |
| Т | 0.78mm +/-0.10mm | |
| В | 0.5mm +/-0.25mm | |

| Packaging Specifications | | |
|--------------------------|-----------|--|
| Packaging: | Bulk, Bag | |
| Packaging Quantity: | 1 | |

| General Information | | |
|---------------------|---|--|
| Series: | SMD Comm X7R SnPb | |
| Style: | SMD Chip | |
| Description: | SMD, MLCC, Temperature Stable, SnPb Termination | |
| Features: | SnPb Termination | |
| RoHS: | No | |
| Prop 65: | WARNING: Cancer and reproductive harm - www.p65warnings.ca.gov. | |
| SCIP Number: | 5549986b-60cf-4a2a- afbb-4ad1d7a11dcb | |
| Termination: | Lead (SnPb) | |
| Marking: | No | |
| AEC-Q200: | No | |
| Component Weight: | 17 mg | |
| Shelf Life: | 78 Weeks | |
| MSL: | 1 | |

| Specifications | |
|---|--|
| Capacitance: | 0.082 uF |
| 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% 1 kHz 1.0Vrms |
| Aging Rate: | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance: | 12.1951 GOhms |

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