

KEMET Part Number: C1206C181J5GACTU
(C1206C181J5GAC7800)

SMD Comm C0G, Ceramic, 180 pF, 5%, 50 VDC, C0G, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 1206



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 |

General Information

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|----------------|---|
| Series: | SMD Comm C0G |
| Style: | SMD Chip |
| Description: | SMD, MLCC, Ultra-Stable, Low Loss, Class I |
| Features: | Ultra-Stable, Low Loss, Class I |
| RoHS: | Yes |
| Termination: | Tin |
| Marking: | No |
| AEC-Q200: | No |
| Miscellaneous: | Note: KEMET 50V rated parts may be operated at 63 Volts |
| Shelf Life: | 78 Weeks |
| MSL: | 1 |

Specifications

| | |
|---|------------------------|
| Capacitance: | 180 pF |
| Capacitance Tolerance: | 5% |
| Voltage DC: | 50 VDC |
| Dielectric Withstanding Voltage: | 125 VDC |
| Temperature Range: | -55/+125°C |
| Temperature Coefficient: | C0G |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC): | 30 ppm/C, 1MHz 1.0Vrms |
| Dissipation Factor: | 0.10% 1MHz 1.0Vrms |
| Aging Rate: | 0% Loss/Decade Hour |
| Insulation Resistance: | 100 GOhms |