

KEMET Part Number: C0805C682J3RACTU
(C0805C682J3RAC7800)

SMD Comm X7R, Ceramic, 6800 pF, 5%, 25 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 0805



Dimensions

| Dimension | Value |
|-----------|------------------|
| L | 2mm +/-0.2mm |
| W | 1.25mm +/-0.2mm |
| T | 0.78mm +/-0.10mm |
| S | 0.75mm MIN |
| B | 0.5mm +/-0.25mm |

Packaging Specifications

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

General Information

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|-----------------------|--|
| Series: | SMD Comm X7R |
| Style: | SMD Chip |
| Description: | SMD, MLCC, Temperature Stable, Class II |
| Features: | Temperature Stable, Class II |
| RoHS: | Yes |
| Termination: | Tin |
| Marking: | No |
| AEC-Q200: | No |
| Miscellaneous: | Note: Referee time for X7R dielectric for this part number is 1000 hours |
| Chip Size: | 0805 |
| Shelf Life: | 78 Weeks |
| MSL: | 1 |

Specifications

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|--|-----------------------|
| Capacitance: | 6800 pF, 1kHz 1.0Vrms |
| Capacitance Tolerance: | 5% |
| Voltage DC: | 25 VDC |
| Dielectric Withstanding Voltage: | 62.5 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: | 3.50% 1kHz 1.0Vrms |
| Aging Rate: | 3% Loss/Decade Hour |
| Insulation Resistance: | 100 GOhms |