KEMET Part Number: C0603X683J5RACTU

(C0603X683J5RAC7867)



SMD Comm X7R Flex, Ceramic, 0.068 uF, 5%, 50 VDC, X7R, SMD, MLCC, FT-CAP, Temperature Stable, 0603



| Dimensions | | |
|------------|------------------|--|
| Chip Size | 0603 | |
| L | 1.6mm +/-0.17mm | |
| W | 0.8mm +/-0.15mm | |
| Т | 0.8mm +/-0.15mm | |
| S | 0.58mm MIN | |
| В | 0.45mm +/-0.15mm | |

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

| General Information | | |
|---------------------|--|--|
| Series: | SMD Comm X7R Flex | |
| Style: | SMD Chip | |
| Description: | SMD, MLCC, FT-CAP, Temperature Stable | |
| Features: | FT-CAP, Temperature Stable | |
| RoHS: | Yes | |
| Termination: | Flexible Termination | |
| Marking: | No | |
| AEC-Q200: | No | |
| Component Weight: | 7300 ug | |
| Shelf Life: | 78 Weeks | |
| MSL: | 1 | |

| Specifications | | |
|---|--|--|
| Capacitance: | 0.068 uF | |
| Measurement Condition: | 1 kHz 1.0Vrms | |
| Capacitance Tolerance: | 5% | |
| 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: | 7.3529 GOhms | |

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