KEMET Part Number: C0603C105K3PACTU

(C0603C105K3PAC7867)



SMD Comm X5R, Ceramic, 1 uF, 10%, 25 VDC, X5R, SMD, MLCC, Temperature Stable, Class II, 0603



| Dimensions | |
|------------|------------------|
| L | 1.6mm +/-0.15mm |
| W | 0.8mm +/-0.15mm |
| Т | 0.8mm +/-0.15mm |
| S | 0.7mm MIN |
| В | 0.35mm +/-0.15mm |

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

| General Information | | |
|---------------------|--|--|
| Series: | SMD Comm X5R | |
| 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 X5R dielectric for this part number is 48 hours | |
| Chip Size: | 0603 | |
| Shelf Life: | 78 Weeks | |
| MSL: | 1 | |

| Specifications | |
|---|--------------------------|
| Capacitance: | 1000000 pF, 1kHz 1.0Vrms |
| Capacitance Tolerance: | 10% |
| Voltage DC: | 25 VDC |
| Dielectric Withstanding Voltage: | 62.5 VDC |
| Temperature Range: | -55/+85°C |
| Temperature Coefficient: | X5R |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC): | 15%, 1kHz 1.0Vrms |
| Dissipation Factor: | 5.00% 1kHz 1.0Vrms |
| Aging Rate: | 5% Loss/Decade Hour |
| Insulation Resistance: | 100 MOhms |

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