

C0402C102K8RACTU

Aliases (C0402C102K8RAC7867)

SMD Comm X7R, Ceramic, 1000 pF, 10%, 10 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 0402



Click here for the 3D model.

| 0402 |
|-----------------|
| 1mm +/-0.05mm |
| 0.5mm +/-0.05mm |
| 0.5mm +/-0.05mm |
| 0.3mm MIN |
| 0.3mm +/-0.1mm |
| |

| Packaging Specifications | |
|--------------------------|------------------------|
| Packaging | T&R, 180mm, Paper Tape |
| Packaging Quantity | 10000 |

| General Information | |
|---------------------|---|
| 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 |
| Component Weight | 1.21 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

| Specifications | |
|---|--|
| Capacitance | 1000 pF |
| Measurement Condition | 1 kHz 1.0Vrms |
| Capacitance Tolerance | 10% |
| Voltage DC | 10 VDC |
| Dielectric Withstanding Voltage | 25 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 | 5%1 kHz 1.0Vrms |
| Aging Rate | 3% Loss/Decade Hour: Referee Time is 48 Hours |
| Insulation Resistance | 100 GOhms |

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