

C0402C470J3RACTU

Aliases (C0402C470J3RAC7867)

SMD Comm X7R, Ceramic, 47 pF, 5%, 25 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 0402



Click [here](#) for the 3D model.

| 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 | false |
| AEC-Q200 | No |
| Typical Component Weight | 1.21 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

| Specifications | |
|--|--|
| Capacitance | 47 pF |
| Measurement Condition | 1 kHz 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 | 3.5% 1kHz 1.0Vrms |
| Aging Rate | 3% Loss/Decade Hour: Referee Time is 48 Hours |
| Insulation Resistance | 100 GOhms |

| Dimensions | |
|------------|-----------------|
| Chip Size | 0402 |
| L | 1mm +/-0.05mm |
| W | 0.5mm +/-0.05mm |
| T | 0.5mm +/-0.05mm |
| S | 0.3mm MIN |
| B | 0.3mm +/-0.1mm |

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

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