

C0603V272MCRAC7081

ArcShield SMD Comm X7R HV, Ceramic, 2700 pF, 20%, 500 VDC, X7R, SMD, MLCC, ArcShield, High Voltage, Temperature Stable, 0603



Click here for the 3D model.

| Dimensions | |
|------------|------------------|
| Chip Size | 0603 |
| L | 1.6mm +/-0.15mm |
| W | 0.8mm +/-0.15mm |
| Т | 0.8mm +/-0.10mm |
| S | 0.7mm MIN |
| В | 0.35mm +/-0.15mm |

| Packaging Specifications | |
|--------------------------|-----------------------------------|
| Packaging | T&R, 180mm, 2mm Pitch, Paper Tape |
| Packaging Quantity | 8000 |

| General Information | |
|---------------------|--|
| Series | ArcShield SMD Comm X7R HV |
| Style | SMD Chip |
| Description | SMD, MLCC, ArcShield, High Voltage, Temperature Stable |
| Features | High Voltage, Temperature Stable |
| RoHS | Yes |
| Termination | Tin |
| Marking | No |
| AEC-Q200 | No |
| Component Weight | 6.5 mg |
| Miscellaneous | X7R dielectric is not recommended for AC line filtering or pulse applications. |
| Shelf Life | 78 Weeks |
| MSL | 1 |

| Specifications | |
|--|--|
| Capacitance | 2700 pF |
| Measurement Condition | 1 kHz 1.0Vrms |
| Capacitance Tolerance | 20% |
| Voltage DC | 500 VDC |
| Dielectric Withstanding Voltage | 750 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 | 10 GOhms |

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