

C1808V393KDRACTU

Aliases (C1808V393KDRAC7800)

ArcShield SMD Comm X7R HV, Ceramic, 0.039 uF, 10%, 1000 VDC, X7R, SMD, MLCC, ArcShield, High Voltage, Temperature Stable, 1808



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

Dimensions

| | |
|-----------|-----------------|
| Chip Size | 1808 |
| L | 4.7mm +/-0.5mm |
| W | 2mm +/-0.2mm |
| T | 1.4mm +/-0.15mm |
| B | 0.6mm +/-0.35mm |

Packaging Specifications

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|--------------------|--------------------------|
| Packaging | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 1000 |

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 | 78 mg |
| Miscellaneous | X7R dielectric is not recommended for AC line filtering or pulse applications. |
| Shelf Life | 78 Weeks |
| MSL | 1 |

Specifications

| | |
|--------------------------------------------------------------------|-------------------------------------------------|
| Capacitance | 0.039 uF |
| Measurement Condition | 1 kHz 1.0Vrms |
| Capacitance Tolerance | 10% |
| Voltage DC | 1000 VDC |
| Dielectric Withstanding Voltage | 1200 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% 1kHz 1.0Vrms |
| Aging Rate | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance | 2.5641 GOhms |