

C0603V102KDRALTU

Aliases (C0603V102KDRAL7867)

ArcShield SMD Comm X7R HV, Ceramic, 1,000 pF, 10%, 1,000 VDC, X7R, SMD, MLCC, ArcShield, High Voltage, Temperature Stable, 0.5 mm, 0603 / 1608



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

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	No
Prop 65	WARNING: Cancer and reproductive harm - https://www.p65warnings.ca.gov/
SCIP Number	4ebc82c3-bba1-40d7-a1fc-87ec9544c223
Termination	Lead (SnPb)
Marking	No
Typical Component Weight	6.5 mg
Miscellaneous	X7R dielectric is not recommended for AC line filtering or pulse applications.
Shelf Life	78 Weeks
MSL	1

Dimensions

L	1.6mm +/-0.15mm
W	0.8mm +/-0.15mm
T	0.8mm +/-0.10mm
S	0.5mm MIN
B	0.35mm +/-0.15mm
Case Code (EIA / mm)	0603 / 1608

Packaging Specifications

Packaging	T&R, 180mm, Paper Tape
Packaging Quantity	4000

Specifications

Capacitance	1,000 pF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	10%
Voltage DC	1000 VDC
Dielectric Withstanding Voltage	1,200 VDC
Temperature Range	-55/+125°C
Temp. 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	10 GOhms

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