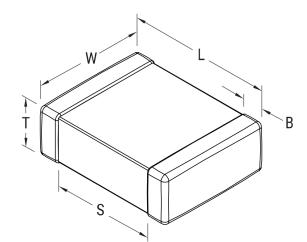


C0603T102J5RBCTU

Aliases (C0603T102J5RBC7867)

SMD COTS X7R, Ceramic, 1000 pF, 5%, 50 VDC, X7R, SMD, MLCC, COTS, Temperature Stable, Class II, 0603



Click here for the 3D model.

Chip Size 0603 L 1.6mm +/-0.15mm W 0.8mm +/-0.15mm T 0.8mm +/-0.07mm
W 0.8mm +/-0.15mm
T 0.8mm +/-0.07mm
S 0.7mm MIN
B 0.35mm +/-0.15mm

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

General Information	
Series	SMD COTS X7R
Style	SMD Chip
Description	SMD, MLCC, COTS, Temperature Stable, Class II
Features	Temperature Stable, Class II
RoHS	Yes
Termination	Tin
Marking	No
Failure Rate	Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-469
AEC-Q200	No
Component Weight	4.8 mg
Shelf Life	78 Weeks
MSL	1

Specifications	
Capacitance	1000 pF
Measurement Condition	1 kHz 1.0Vrms
Capacitance Tolerance	5%
Voltage DC	50 VDC
Dielectric Withstanding Voltage	125 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	100 GOhms

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