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Dimensions

Chip Size	0805
L	2mm +/-0.2mm
W	1.25mm +/-0.2mm
T	1.25mm +/-0.20mm
S	0.75mm MIN
B	0.5mm +/-0.25mm

Packaging Specifications

Packaging	T&R, 330mm, Plastic Tape
Packaging Quantity	10000

General Information

Series	SMD COTS X7R
Style	SMD Chip
Description	SMD, MLCC, COTS, Temperature Stable, Class II
Features	Temperature Stable, Class II
RoHS	No
Prop 65	⚠ WARNING: Cancer and reproductive harm - http://www.p65warnings.ca.gov .
Termination	Lead (SnPb)
Marking	false
Failure Rate	Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-469
AEC-Q200	No
Typical Component Weight	21 mg
Shelf Life	78 Weeks
MSL	1

Specifications

Capacitance	0.68 uF
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% 1kHz 1.0Vrms
Aging Rate	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance	735.3 MOhms

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