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General Information

Series	ESD SMD Auto COG
Style	SMD Chip
Description	SMD, MLCC, Temperature Stable, Electro Static Discharge, Automotive Grade
Features	Temperature Stable, Automotive Grade
RoHS	Yes
Termination	Tin
Marking	No
Qualifications	AEC-Q200
AEC-Q200	Yes
Typical Component Weight	13 mg
Shelf Life	78 Weeks
MSL	1

Dimensions

L	2mm +/-0.2mm
W	1.25mm +/-0.2mm
T	0.9mm +/-0.10mm
S	0.7mm MIN
B	0.5mm +/-0.25mm
Case Code (EIA / mm)	0805 / 2012

Specifications

Capacitance	4,700 pF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	5%
Voltage DC	200 VDC
ESD Level per AEC-Q200	25,000 V ESD Level
Dielectric Withstanding Voltage	500 VDC
Temperature Range	-55/+125°C
Temp. Coefficient	COG
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	30 ppm/C, 1 kHz 1.0Vrms
Dissipation Factor	0.1% 1 kHz 1.0Vrms
Aging Rate	0% Loss/Decade Hour
Insulation Resistance	100 GOhms

Packaging Specifications

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

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