

C0805X683K1REC

ESD SMD Comm X7R, Ceramic, 0.068 uF, 10%, 100 VDC, X7R, SMD, MLCC, Temperature Stable, Electro Static Discharge, Class II, 0805, 0.6 mm



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General Information

Series	ESD SMD Comm X7R
Style	SMD Chip
Description	SMD, MLCC, Temperature Stable, Electro Static Discharge, Class II
Features	Temperature Stable, Class II
RoHS	Yes
Termination	Flexible Termination
Marking	No
AEC-Q200	No
Typical Component Weight	13 mg
Shelf Life	78 Weeks
MSL	1

Dimensions

Chip Size	0805
L	2mm +/-0.3mm
W	1.25mm +/-0.3mm
T	1mm +/-0.20mm
S	0.6mm MIN
B	0.5mm +/-0.25mm

Packaging Specifications

Packaging	Bulk, Bag
Packaging Quantity	1

Specifications

Capacitance	0.068 uF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	10%
Voltage DC	100 VDC
ESD Level per AEC-Q200	25,000 V ESD Level
Dielectric Withstanding Voltage	250 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% 1 kHz 1.0Vrms
Aging Rate	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance	14.7059 GOhms

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