

Specifications

Insulation Resistance



SMD Comm X8G HT150C, Ceramic, 0.5 pF, +/-0.1 pF, 250 VDC, X8G, SMD, MLCC, High Temperature, Ultra-Stable, 0603, 0.5 mm



General Information	
Series	SMD Comm X8G HT150C
Style	SMD Chip
Description	SMD, MLCC, High Temperature, Ultra-Stable
Features	High Temperature, Ultra-Stable
RoHS	Yes
Termination	Tin
Marking	No
AEC-Q200	No
Typical Component Weight	3.7 mg
Shelf Life	78 Weeks
MSL	1

Dimensions	
Chip Size	0603
L	1.6mm +/-0.15mm
W	0.8mm +/-0.15mm
Т	0.8mm +/-0.07mm
S	0.5mm MIN
В	0.35mm +/-0.15mm

Capacitance 0.5 pF Measurement Condition 1MHz 1.0Vrms Tolerance +/-0.1 pF Voltage DC 250 VDC Dielectric Withstanding Voltage 625 VDC Temperature Range -55/+150°C Temp. Coefficient X8G Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) Dissipation Factor 0.1% 1 MHz 1.0Vrms Aging Rate 0% Loss/Decade Hour: Referee Time is 1000 Hours		
Tolerance +/-0.1 pF Voltage DC 250 VDC Dielectric Withstanding Voltage 625 VDC Temperature Range -55/+150°C Temp. Coefficient X8G Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) Dissipation Factor 0.1% 1 MHz 1.0Vrms Aging Rate 0% Loss/Decade Hour: Referee	Capacitance	0.5 pF
Voltage DC Dielectric Withstanding Voltage Temperature Range -55/+150°C Temp. Coefficient X8G Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) Dissipation Factor Aging Rate 250 VDC 625 VDC X8G 30 ppm/C, 1MegaHz 1.0Vrms 0.1% 1 MHz 1.0Vrms	Measurement Condition	1 MHz 1.0Vrms
Dielectric Withstanding Voltage Temperature Range -55/+150°C Temp. Coefficient X8G Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) Dissipation Factor Aging Rate 625 VDC -55/+150°C 30 ppm/C, 1MegaHz 1.0Vrms 0.1% 1 MHz 1.0Vrms	Tolerance	+/-0.1 pF
Temperature Range -55/+150°C Temp. Coefficient X8G Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) Dissipation Factor 0.1%1 MHz 1.0Vrms Aging Rate 0% Loss/Decade Hour: Referee	Voltage DC	250 VDC
Temp. Coefficient X8G Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) Dissipation Factor 0.1%1 MHz 1.0Vrms Aging Rate 0% Loss/Decade Hour: Referee	Dielectric Withstanding Voltage	625 VDC
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) Dissipation Factor Aging Rate 30 ppm/C, 1MegaHz 1.0Vrms 0.1% 1 MHz 1.0Vrms 0% Loss/Decade Hour: Referee	Temperature Range	-55/+150°C
Reference to +25°C and 0 VDC Applied (TCC) Dissipation Factor O.1% 1 MHz 1.0 Vrms Aging Rate O% Loss/Decade Hour: Referee	Temp. Coefficient	X8G
Aging Rate O% Loss/Decade Hour: Referee	Reference to +25°C and 0 VDC	30 ppm/C, 1MegaHz 1.0Vrms
	Dissipation Factor	0.1% 1 MHz 1.0Vrms
	Aging Rate	

100 GOhms

Packaging Specifications	
Packaging	T&R, 330mm, Paper Tape
Packaging Quantity	15000

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