

C0805C200K5RACTU

Specifications

Insulation Resistance

Aliases (C0805C200K5RAC7800) SMD Comm X7R, Ceramic, 20 pF, 10%, 50 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 0805, 0.7 mm



General Information	
Series	SMD Comm X7R
Style	SMD Chip
Description	SMD, MLCC, Temperature Stable, Class II
Features	Temperature Stable, Class II
RoHS	Yes
Termination	Tin
Marking	No
AEC-Q200	No
Typical Component Weight	11 mg
Shelf Life	78 Weeks
MSL	1

Dimensions	
Chip Size	0805
L	2mm +/-0.2mm
W	1.25mm +/-0.2mm
Т	0.78mm +/-0.10mm
S	0.7mm MIN
В	0.5mm +/-0.25mm
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Capacitance20 pFMeasurement Condition1 kHz 1.0VrmsTolerance10%Voltage DC50 VDCDielectric Withstanding Voltage125 VDCTemperature Range-55/+125°CTemp. CoefficientX7RCapacitance Change with Reference to +25°C and 0 VDC Applied (TCC)15%, 1kHz 1.0VrmsDissipation Factor2.5%1 kHz 1.0VrmsAging Rate3% Loss/Decade Hour: Referee Time is 1000 Hours		
Tolerance 10% Voltage DC 50 VDC Dielectric Withstanding Voltage 125 VDC Temperature Range -55/+125°C Temp. Coefficient X7R Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) Dissipation Factor 2.5% 1 kHz 1.0Vrms Aging Rate 3% Loss/Decade Hour: Referee	Capacitance	20 pF
Voltage DC Dielectric Withstanding Voltage Temperature Range -55/+125°C Temp. Coefficient X7R Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) Dissipation Factor Aging Rate 50 VDC 125 VDC 2.5% 1 kHz 1.0Vrms 3 % Loss/Decade Hour: Referee	Measurement Condition	1 kHz 1.0Vrms
Dielectric Withstanding Voltage Temperature Range -55/+125°C Temp. Coefficient X7R Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) Dissipation Factor Aging Rate 125 VDC -55/+125°C 15%, 1kHz 1.0Vrms 2.5%, 1kHz 1.0Vrms 3% Loss/Decade Hour: Referee	Tolerance	10%
Temperature Range -55/+125°C Temp. Coefficient X7R Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) Dissipation Factor 2.5% 1 kHz 1.0Vrms Aging Rate 3% Loss/Decade Hour: Referee	Voltage DC	50 VDC
Temp. Coefficient X7R Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) Dissipation Factor 2.5%1kHz 1.0Vrms Aging Rate 3% Loss/Decade Hour: Referee	Dielectric Withstanding Voltage	125 VDC
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) Dissipation Factor Aging Rate 15%, 1kHz 1.0Vrms 2.5%1 kHz 1.0Vrms 3% Loss/Decade Hour: Referee	Temperature Range	-55/+125°C
Reference to +25°C and 0 VDC Applied (TCC) Dissipation Factor 2.5%1kHz 1.0Vrms Aging Rate 3% Loss/Decade Hour: Referee	Temp. Coefficient	X7R
Aging Rate 3% Loss/Decade Hour: Referee	Reference to +25°C and 0 VDC	15%, 1kHz 1.0Vrms
	Dissipation Factor	2.5% 1 kHz 1.0 Vrms
	Aging Rate	

100 GOhms

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

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