

C1812C271KHGACTU

Aliases (C1812C271KHGAC7800) SMD Comm COG HV, Ceramic, 270 pF, 10%, 3,000 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 1812, 2.3 mm



General Information	
Series	SMD Comm COG HV
Style	SMD Chip
Description	SMD, MLCC, Ultra-Stable, Low Loss, Class I
Features	Ultra-Stable, Low Loss, Class I
RoHS	Yes
Termination	Tin
Marking	No
AEC-Q200	No
Typical Component Weight	87 mg
Shelf Life	78 Weeks
MSL	1

ım +/-0.3mm
m +/-0.3mm
+/-0.20mm
m MIN
nm +/-0.35mm

W	3.2mm +/-0.3mm	Tolerance	10%
Т	2mm +/-0.20mm	Voltage DC	3000 VDC
S	2.3mm MIN	Dielectric Withstanding Voltage	3,600 VDC
В	0.6mm +/-0.35mm	Temperature Range	-55/+125°C
		Temp. Coefficient	COG
Packaging Specifications		Capacitance Change with	30 ppm/C, 1MegaHz 1.0Vrm
Packaging	T&R, 180mm, Plastic Tape	Reference to +25°C and 0 VDC Applied (TCC)	
Packaging Quantity	500	Dissipation Factor	0.1% 1 MHz 1.0Vrms

Specifications	
Capacitance	270 pF
Measurement Condition	1 MHz 1.0Vrms
Tolerance	10%
Voltage DC	3000 VDC
Dielectric Withstanding Voltage	3,600 VDC
Temperature Range	-55/+125°C
Temp. Coefficient	COG
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	30 ppm/C, 1MegaHz 1.0Vrms
Dissipation Factor	0.1% 1 MHz 1.0Vrms
Aging Rate	0% Loss/Decade Hour
Insulation Resistance	100 GOhms

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

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