

C1812S331KHGACAUTO

SMD Auto COG HV FE, Ceramic, 330 pF, 10%, 3,000 VDC, COG, SMD, MLCC, FE-CAP, Floating Electrode, High Voltage, Automotive Grade, 1812, 2.3 mm



General Information	
Series	SMD Auto COG HV FE
Style	SMD Chip
Description	SMD, MLCC, FE-CAP, Floating Electrode, High Voltage, Automotive Grade
Features	FE-CAP, Floating Electrode, High Voltage, Automotive Grade
RoHS	Yes
Termination	Tin
Marking	No
Qualifications	AEC-Q200
AEC-Q200	Yes
Typical Component Weight	87 mg
Shelf Life	78 Weeks
MSL	1

1812
4.5mm +/-0.3mm
3.2mm +/-0.3mm
2.5mm +/-0.20mm
2.3mm MIN
0.6mm +/-0.35mm

Packaging Specifications	
Packaging	T&R, 180mm, Plastic Tape
Packaging Quantity	500

Specifications	
Capacitance	330 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.

Generated 10/17/2025 © 2006 - 2025 YAGEO