


 Click [here](#) for the 3D model.

**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

**Dimensions**

L	4.5mm +/-0.3mm
W	3.2mm +/-0.3mm
T	2mm +/-0.20mm
S	2.3mm MIN
B	0.6mm +/-0.35mm
Case Code (EIA / mm)	1812 / 4532

**Specifications**

Capacitance	220 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, 1MHz 1.0Vrms
Dissipation Factor	0.1% 1 MHz 1.0Vrms
Aging Rate	0% Loss/Decade Hour
Insulation Resistance	100 GOhms

**Packaging Specifications**

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

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