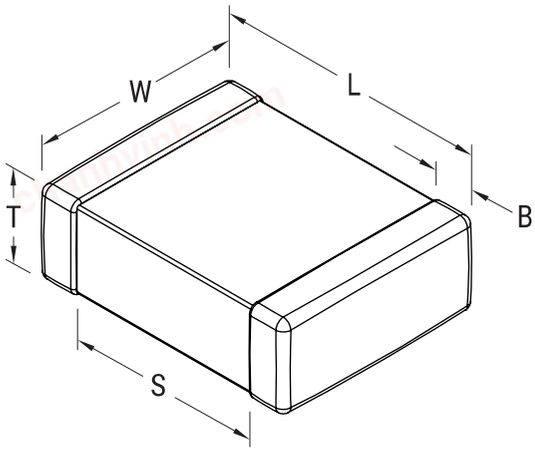
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# C1812S331KHGACAUTO

SMD Auto C0G HV FE, Ceramic, 330 pF, 10%, 3,000 VDC, C0G, SMD, MLCC, FE-CAP, Floating Electrode, High Voltage, Automotive Grade, 1812 / 4532




Click here for the 3D model.

| General Information | |
|---|---|
| Series | SMD Auto C0G 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 |
| Typical Component Weight | 87 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

| Dimensions | |
|---|---|
| L | 4.5mm +/-0.3mm |
| W | 3.2mm +/-0.3mm |
| T | 2.5mm +/-0.20mm |
| S | 2.3mm MIN |
| B | 0.6mm +/-0.35mm |
| Case Code (EIA / mm) | 1812 / 4532 |

| 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 | C0G |
| 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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