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**General Information**

|                          |   |
|--------------------------|---|
| Series                   | SMD Auto COG HV   |
| Style                    | SMD Chip  |
| Description              | SMD, MLCC, Ultra-Stable, Low Loss, High Voltage, Automotive Grade |
| Features                 | Ultra-Stable, Low Loss, Automotive Grade                          |
| RoHS                     | Yes   |
| Termination              | Tin   |
| Marking                  | No  |
| Qualifications           | AEC-Q200  |
| Typical Component Weight | 62 mg   |
| Shelf Life               | 78 Weeks  |
| MSL                      | 1   |

**Specifications**

|  |                        |
|--|------------------------|
| Capacitance  | 470 pF                 |
| Measurement Condition  | 1 MHz 1.0Vrms          |
| Tolerance  | 10%                    |
| Voltage DC   | 2000 VDC               |
| Dielectric Withstanding Voltage                                    | 2,400 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% 1MHz 1.0Vrms      |
| Aging Rate   | 0% Loss/Decade Hour    |
| Insulation Resistance  | 100 GOhms              |

**Dimensions**

|                      |                 |
|----------------------|-----------------|
| L                    | 4.7mm +/-0.5mm  |
| W                    | 2mm +/-0.2mm    |
| T                    | 1.4mm +/-0.15mm |
| S                    | 2.9mm MIN       |
| B                    | 0.6mm +/-0.35mm |
| Case Code (EIA / mm) | 1808 / 4520     |

**Packaging Specifications**

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 1000                     |

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