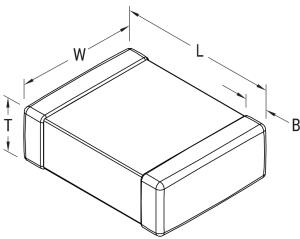


## C1206C470JGGACAUTO

SMD Auto COG HV, Ceramic, 47 pF, 5%, 2000 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, High Voltage, Automotive Grade, 1206



Click here for the 3D model.

| Dimensions | ,               |
|------------|-----------------|
| Chip Size  | 1206            |
| L          | 3.2mm +/-0.2mm  |
| W          | 1.6mm +/-0.2mm  |
| Т          | 1mm +/-0.10mm   |
| В          | 0.5mm +/-0.25mm |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging                | T&R, 180mm, Plastic Tape |
| Packaging Quantity       | 2500                     |

| General Information         |                                                                      |
|-----------------------------|----------------------------------------------------------------------|
| Series                      | SMD Auto COG HV                                                      |
| Style                       | SMD Chip                                                             |
| Description                 | SMD, MLCC, Ultra-Stable, Low Loss, High<br>Voltage, Automotive Grade |
| Features                    | Ultra-Stable, Low Loss, Automotive Grade                             |
| RoHS                        | Yes                                                                  |
| Termination                 | Tin                                                                  |
| Marking                     | No                                                                   |
| Qualifications              | AEC-Q200                                                             |
| AEC-Q200                    | Yes                                                                  |
| Typical Component<br>Weight | 25 mg                                                                |
| Shelf Life                  | 78 Weeks                                                             |
| MSL                         | 1                                                                    |

| Specifications                                                     |                              |
|--------------------------------------------------------------------|------------------------------|
| Capacitance                                                        | 47 pF                        |
| Measurement Condition                                              | 1 MHz 1.0 Vrms               |
| Capacitance Tolerance                                              | 5%                           |
| Voltage DC                                                         | 2000 VDC                     |
| Dielectric Withstanding Voltage                                    | 2400 VDC                     |
| Temperature Range                                                  | -55/+125°C                   |
| Temperature Coefficient                                            | COG                          |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1MegaHz<br>1.0Vrms |
| Dissipation Factor                                                 | 0.1% 1 MHz 1.0Vrms           |
| Aging Rate                                                         | 0% Loss/Decade<br>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.