



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

#### General Information

|                |                           |
|----------------|---------------------------|
| Series         | GoldMax 300 Auto COG      |
| Style          | Radial                    |
| Description    | Goldmax, Automotive Grade |
| Features       | Automotive Grade          |
| RoHS           | Yes                       |
| Termination    | Tin                       |
| Lead           | Wire Leads                |
| Failure Rate   | N/A                       |
| Qualifications | AEC-Q200                  |
| AEC-Q200       | Yes                       |
| Halogen Free   | Yes                       |

#### Specifications

|  |                       |
|--|-----------------------|
| Capacitance  | 0.047 uF              |
| Measurement Condition  | 1 MHz 1.0Vrms         |
| Tolerance  | 5%                    |
| Voltage DC   | 200 VDC               |
| Dielectric Withstanding Voltage                                    | 500 VDC               |
| Temperature Range  | -55/+125°C            |
| Temp. Coefficient  | COG                   |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30PPM/C, 1kHz 1.0Vrms |
| Dissipation Factor   | 0.1% 1 MHz 1.0Vrms    |
| Aging Rate   | 0% Loss/Decade Hour   |
| Insulation Resistance  | 21.28 GOhms           |

#### Dimensions

|    |                      |
|----|----------------------|
| L  | 5.08mm MAX           |
| H  | 5.84mm MAX           |
| T  | 3.18mm MAX           |
| S  | 2.54mm +/-0.78mm     |
| H0 | 16mm +/-0.5mm        |
| F  | 0.51mm +0.1/-0.025mm |

#### Packaging Specifications

|                    |            |
|--------------------|------------|
| Packaging          | T&R, 305mm |
| Packaging Quantity | 2500       |

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