



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

#### General Information

|                |                             |
|----------------|-----------------------------|
| Series         | GoldMax 300 Auto X8R HT150C |
| 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   | true                        |

#### Specifications

|  |                         |
|--|-------------------------|
| Capacitance  | 8.2 pF                  |
| Measurement Condition  | 1 MHz 1.0Vrms           |
| Capacitance Tolerance  | +/-0.5 pF               |
| Voltage DC   | 50 VDC                  |
| Dielectric Withstanding Voltage                                    | 125 VDC                 |
| Temperature Range  | -55/+150°C              |
| Temperature Coefficient  | X8R                     |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | +15%/-40%, 1MHz 1.0Vrms |
| Dissipation Factor   | 2.5% 1MHz 1.0Vrms       |
| Aging Rate   | 3% Loss/Decade Hour     |
| Insulation Resistance  | 100 GOhms               |

#### Dimensions

|    |                      |
|----|----------------------|
| L  | 3.81mm MAX           |
| H  | 3.14mm MAX           |
| T  | 2.54mm 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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