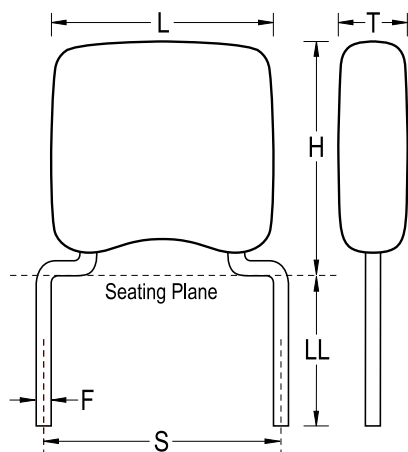




Click [here](#) for the 3D model.

#### 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   | Yes                         |

#### Specifications

|                                                                    |                         |
|--------------------------------------------------------------------|-------------------------|
| Capacitance                                                        | 0.022 uF                |
| Measurement Condition                                              | 1 MHz 1.0Vrms           |
| Tolerance                                                          | 10%                     |
| Voltage DC                                                         | 100 VDC                 |
| Dielectric Withstanding Voltage                                    | 250 VDC                 |
| Temperature Range                                                  | -55/+150°C              |
| Temp. Coefficient                                                  | X8R                     |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | +15%/-40%, 1kHz 1.0Vrms |
| Dissipation Factor                                                 | 2.5% 1 kHz 1.0Vrms      |
| Aging Rate                                                         | 3% Loss/Decade Hour     |
| Insulation Resistance                                              | 45.45 GOhms             |

#### Dimensions

|    |                      |
|----|----------------------|
| L  | 5.08mm MAX           |
| H  | 6.6mm MAX            |
| T  | 3.18mm MAX           |
| S  | 5.08mm +/-0.78mm     |
| LL | 7mm MIN              |
| F  | 0.51mm +0.1/-0.025mm |

#### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 500       |

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