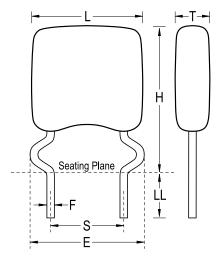




GoldMax 300 Comm X7R, Ceramic, 1 uF, 10%, 50 VDC, X7R, GoldMax, Commercial Standard, 5.08 mm



| Click | here | for t | he 3D | model. |
|-------|------|-------|-------|--------|
|       |      |       |       |        |

| General Information |  |
|---------------------|--|
| Series              | GoldMax 300 Comm X7R   |
| Style               | Radial   |
| Description         | GoldMax, Commercial Standard   |
| RoHS                | No   |
| Prop 65             | WARNING: Cancer and reproductive harm - https://www.p65warnings.ca.gov / |
| SCIP Number         | d4c83dcf-Oaf3-4f6a-8c42-c84<br>Ocabd6f5b                                 |
| Termination         | Lead (SnPb)  |
| Lead                | Crimped Out  |
| Failure Rate        | N/A  |
| AEC-Q200            | No   |
| Halogen Free        | Yes  |

| Dimensions               |                      |
|--------------------------|----------------------|
| L                        | 7.11mm MAX           |
| Н                        | 10.16mm MAX          |
| Т                        | 4.07mm MAX           |
| S                        | 5.08mm +/-0.78mm     |
| LL                       | 5.08mm MIN           |
| F                        | 0.51mm +0.1/-0.025mm |
| E                        | 7.62mm NOM           |
|                          |                      |
| Packaging Specifications |                      |
| Packaging                | Bulk, Bag            |

250

**Packaging Quantity** 

| Specifications   |                     |
|--|---------------------|
| Capacitance  | 1uF                 |
| Measurement Condition  | 1 kHz 1.0Vrms       |
| Tolerance  | 10%                 |
| Voltage DC   | 50 VDC              |
| Dielectric Withstanding Voltage  | 125 VDC             |
| Temperature Range  | -55/+125°C          |
| Temp. Coefficient  | X7R                 |
| Capacitance Change with<br>Reference to +25°C and 0 VDC<br>Applied (TCC) | 0.15, 1kHz 1.0Vrms  |
| Dissipation Factor   | 2.5% 1 kHz 1.0Vrms  |
| Aging Rate   | 3% Loss/Decade Hour |
| Insulation Resistance  | 100 MOhms           |

| Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to con                              | stitute - 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 products for their application. | ovided by us  |
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