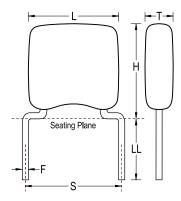
## **KEMET Part Number: C317C103K5R5TA**



GoldMax 300 Comm X7R, Ceramic, 0.01 uF, 10%, 50 VDC, X7R, GoldMax, Commercial Standard, Lead Spacing = 5.08mm



| General Information |                              |
|---------------------|------------------------------|
| Series:             | GoldMax 300 Comm X7R         |
| Style:              | Radial                       |
| Description:        | GoldMax, Commercial Standard |
| RoHS:               | Yes                          |
| Termination:        | Tin                          |
| Failure Rate:       | N/A                          |
| AEC-Q200:           | No                           |
| Halogen Free:       | Yes                          |
|                     |                              |

| Dimensions |                      |
|------------|----------------------|
| L          | 3.81mm MAX           |
| Н          | 5.08mm MAX           |
| Т          | 2.54mm MAX           |
| S          | 5.08mm +/-0.78mm     |
| LL         | 7mm MIN              |
| F          | 0.51mm +0.1/-0.025mm |

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

| Specifications  |                     |
|---|---------------------|
| Capacitance:  | 0.01 uF             |
| Measurement Condition:  | 1 kHz 1.0Vrms       |
| Capacitance Tolerance:  | 10%                 |
| Voltage DC:   | 50 VDC              |
| Dielectric Withstanding<br>Voltage:                                 | 125 VDC             |
| Temperature Range:  | -55/+125°C          |
| Temperature Coefficient:  | X7R                 |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC): | 0.15, 1kHz 1.0Vrms  |
| Dissipation Factor:   | 2.5% 1 kHz 1.0Vrms  |
| Aging Rate:   | 3% Loss/Decade Hour |
| Insulation Resistance:  | 100 GOhms           |

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