

**KEMET Part Number: C0402T100F5GCLTU**  
(C0402T100F5GCL7867)

**KEMET**

a YAGEO company

SMD COTS COG, Ceramic, 10 pF, 1%, 50 VDC, COG, SMD, MLCC, COTS, Ultra-Stable, Low Loss, Class I, 0402



| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 0402            |
| L          | 1mm +/-0.05mm   |
| W          | 0.5mm +/-0.05mm |
| T          | 0.5mm +/-0.05mm |
| S          | 0.3mm MIN       |
| B          | 0.3mm +/-0.1mm  |

| Packaging Specifications |                        |
|--------------------------|------------------------|
| Packaging:               | T&R, 180mm, Paper Tape |
| Packaging Quantity:      | 10000                  |

| General Information |   |
|---------------------|---|
| Series:             | SMD COTS COG  |
| Style:              | SMD Chip  |
| Description:        | SMD, MLCC, COTS, Ultra-Stable, Low Loss, Class I  |
| Features:           | Ultra-Stable, Low Loss, Class I   |
| RoHS:               | No  |
| Prop 65:            | <b>WARNING:</b> Cancer and reproductive harm - <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a> . |
| Termination:        | Lead (SnPb)   |
| Marking:            | No  |
| Failure Rate:       | Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-469, Humidity per MIL-STD-202, Method 103, Condition A                |
| AEC-Q200:           | No  |
| Component Weight:   | 1060 ug   |
| Shelf Life:         | 78 Weeks  |
| MSL:                | 1   |

| Specifications  |                           |
|---|---------------------------|
| Capacitance:  | 10 pF                     |
| Measurement Condition:  | 1 MHz 1.0Vrms             |
| Capacitance Tolerance:  | 1%                        |
| Voltage DC:   | 50 VDC                    |
| Dielectric Withstanding Voltage:                                    | 125 VDC                   |
| Temperature Range:  | -55/+125°C                |
| Temperature Coefficient:  | COG                       |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC): | 30 ppm/C, 1MegaHz 1.0Vrms |
| Dissipation Factor:   | 0.1% 1 MHz 1.0Vrms        |
| Aging Rate:   | 0% Loss/Decade Hour       |
| Insulation Resistance:  | 100 GOhms                 |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - 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 provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

**KEMET**

a YAGEO company

单击下面可查看定价，库存，交付和生命周期等信息

[>>KEMET\(基美\)](#)