

**KEMET Part Number: C0402C470F5GACTU**  
(C0402C470F5GAC7867)

SMD Comm C0G, Ceramic, 47 pF, 1%, 50 VDC, C0G, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 0402



**Dimensions**

| Dimension | Value           |
|-----------|-----------------|
| 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**

|                            |                        |
|----------------------------|------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Paper Tape |
| <b>Packaging Quantity:</b> | 10000                  |

**General Information**

|                       |   |
|-----------------------|---|
| <b>Supplier:</b>      | KEMET   |
| <b>Series:</b>        | SMD Comm C0G  |
| <b>Style:</b>         | SMD Chip  |
| <b>Description:</b>   | SMD, MLCC, Ultra-Stable, Low Loss, Class I              |
| <b>Features:</b>      | Ultra-Stable, Low Loss, Class I                         |
| <b>RoHS:</b>          | Yes   |
| <b>Termination:</b>   | Tin   |
| <b>Marking:</b>       | No  |
| <b>Miscellaneous:</b> | Note: KEMET 50V rated parts may be operated at 63 Volts |
| <b>Chip Size:</b>     | 0402  |

**Specifications**

|   |                     |
|---|---------------------|
| <b>Capacitance:</b>                     | 47 pF               |
| <b>Capacitance Tolerance:</b>           | 1%                  |
| <b>Voltage DC:</b>                      | 50 VDC              |
| <b>Dielectric Withstanding Voltage:</b> | 125 V               |
| <b>Temperature Range:</b>               | -55/+125C           |
| <b>Temperature Coefficient:</b>         | C0G                 |
| <b>Dissipation Factor:</b>              | 0.10% 1MHz 25C      |
| <b>Aging Rate:</b>                      | 0% Loss/Decade Hour |
| <b>Insulation Resistance:</b>           | 100 GOhms           |