

**KEMET Part Number: C0805C473K4RACTU**  
(C0805C473K4RAC7800)

SMD Comm X7R, Ceramic, 0.047 uF, 10%, 16 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 0805



**Dimensions**

| Chip Size | 0805            |
|-----------|-----------------|
| L         | 2mm +/-0.2mm    |
| W         | 1.25mm +/-0.2mm |
| T         | 0.8mm +/-0.10mm |
| S         | 0.75mm MIN      |
| B         | 0.5mm +/-0.25mm |

**Packaging Specifications**

|                            |                        |
|----------------------------|------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Paper Tape |
| <b>Packaging Quantity:</b> | 4000                   |

**General Information**

|                          |   |
|--------------------------|---|
| <b>Series:</b>           | SMD Comm X7R                            |
| <b>Style:</b>            | SMD Chip                                |
| <b>Description:</b>      | SMD, MLCC, Temperature Stable, Class II |
| <b>Features:</b>         | Temperature Stable, Class II            |
| <b>RoHS:</b>             | Yes                                     |
| <b>Termination:</b>      | Tin                                     |
| <b>Marking:</b>          | No                                      |
| <b>AEC-Q200:</b>         | No                                      |
| <b>Component Weight:</b> | 13 mg                                   |
| <b>Shelf Life:</b>       | 78 Weeks                                |
| <b>MSL:</b>              | 1                                       |

**Specifications**

|  |   |
|--|---|
| <b>Capacitance:</b>  | 0.047 uF                                      |
| <b>Measurement Condition:</b>  | 1 kHz 1.0Vrms                                 |
| <b>Capacitance Tolerance:</b>  | 10%   |
| <b>Voltage DC:</b>   | 16 VDC  |
| <b>Dielectric Withstanding Voltage:</b>                                    | 40 VDC  |
| <b>Temperature Range:</b>  | -55/+125°C                                    |
| <b>Temperature Coefficient:</b>  | X7R   |
| <b>Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):</b> | 15%, 1kHz 1.0Vrms                             |
| <b>Dissipation Factor:</b>   | 3.5% 1 kHz 1.0Vrms                            |
| <b>Aging Rate:</b>   | 3% Loss/Decade Hour: Referee Time is 48 Hours |
| <b>Insulation Resistance:</b>  | 21.2766 GOhms                                 |