

**KEMET Part Number: C1206X473KARACTU**  
(C1206X473KARAC7800)

SMD Comm X7R Tip-Ring, Ceramic, 0.047 uF, 10%, 250 VDC, X7R, SMD, MLCC, FT-CAP, Temperature Stable, Tin Termination, 1206



**Dimensions**

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1206            |
| L          | 3.3mm +/-0.4mm  |
| W          | 1.6mm +/-0.35mm |
| T          | 1mm +/-0.20mm   |
| B          | 0.6mm +/-0.25mm |

**Packaging Specifications**

|                     |                          |
|---------------------|--------------------------|
| Packaging:          | T&R, 180mm, Plastic Tape |
| Packaging Quantity: | 2500                     |

**General Information**

|                   |  |
|-------------------|--|
| Series:           | SMD Comm X7R Tip-Ring                                  |
| Style:            | SMD Chip   |
| Description:      | SMD, MLCC, FT-CAP, Temperature Stable, Tin Termination |
| Features:         | Tin Termination  |
| RoHS:             | Yes  |
| Termination:      | Flexible Termination                                   |
| Marking:          | No   |
| AEC-Q200:         | No   |
| Component Weight: | 25 mg  |
| Shelf Life:       | 78 Weeks   |
| MSL:              | 1  |

**Specifications**

|   |   |
|---|---|
| Capacitance:  | 0.047 uF  |
| Measurement Condition:  | 1 kHz 1.0Vrms                                   |
| Capacitance Tolerance:  | 10%   |
| Voltage DC:   | 250 VDC   |
| Dielectric Withstanding Voltage:                                    | 625 VDC   |
| Temperature Range:  | -55/+125°C                                      |
| Temperature Coefficient:  | X7R   |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC): | 15%, 1kHz 1.0Vrms                               |
| Dissipation Factor:   | 2.5% 1 kHz 1.0Vrms                              |
| Aging Rate:   | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance:  | 21.2766 GOhms                                   |