

**KEMET Part Number: C0402C473K3RACTU**  
(C0402C473K3RAC7867)



SMD Comm X7R, Ceramic, 0.047 uF, 10%, 25 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 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 Comm X7R                            |
| Style:       | SMD Chip                                |
| Description: | SMD, MLCC, Temperature Stable, Class II |
| Features:    | Temperature Stable, Class II            |
| RoHS:        | Yes                                     |
| Termination: | Tin                                     |
| Marking:     | No                                      |
| AEC-Q200:    | No                                      |
| Shelf Life:  | 78 Weeks                                |
| MSL:         | 1                                       |

**Specifications**

|   |   |
|---|---|
| Capacitance:  | 0.047 uF                                      |
| Measurement Condition:  | 1 kHz 1.0Vrms                                 |
| Capacitance Tolerance:  | 10%   |
| Voltage DC:   | 25 VDC  |
| Dielectric Withstanding Voltage:                                    | 62.5 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:   | 3.5% 1 kHz 1.0Vrms                            |
| Aging Rate:   | 3% Loss/Decade Hour: Referee Time is 48 Hours |
| Insulation Resistance:  | 10 Gohms                                      |

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