

**KEMET Part Number: C1206C475K3PACTU**  
(C1206C475K3PAC7800)

SMD Comm X5R, Ceramic, 4.7 uF, 10%, 25 VDC, X5R, SMD, MLCC, Temperature Stable, Class II, 1206



**Dimensions**

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1206            |
| L          | 3.2mm +/-0.2mm  |
| W          | 1.6mm +/-0.2mm  |
| T          | 1.6mm +/-0.20mm |
| B          | 0.5mm +/-0.25mm |

**Packaging Specifications**

|                     |                          |
|---------------------|--------------------------|
| Packaging:          | T&R, 180mm, Plastic Tape |
| Packaging Quantity: | 2000                     |

**General Information**

|                   |   |
|-------------------|---|
| Series:           | SMD Comm X5R                            |
| Style:            | SMD Chip                                |
| Description:      | SMD, MLCC, Temperature Stable, Class II |
| Features:         | Temperature Stable, Class II            |
| RoHS:             | Yes                                     |
| Termination:      | Tin                                     |
| Marking:          | No                                      |
| AEC-Q200:         | No                                      |
| Component Weight: | 41 mg                                   |
| Shelf Life:       | 78 Weeks                                |
| MSL:              | 1                                       |

**Specifications**

|   |   |
|---|---|
| Capacitance:  | 4.7 uF  |
| Measurement Condition:  | 1 kHz 1.0Vrms                                 |
| Capacitance Tolerance:  | 10%   |
| Voltage DC:   | 25 VDC  |
| Dielectric Withstanding Voltage:                                    | 62.5 VDC                                      |
| Temperature Range:  | -55/+85°C                                     |
| Temperature Coefficient:  | X5R   |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC): | 15%, 1kHz 1.0Vrms                             |
| Dissipation Factor:   | 10% 1 kHz 1.0Vrms                             |
| Aging Rate:   | 5% Loss/Decade Hour: Referee Time is 48 Hours |
| Insulation Resistance:  | 21.3 MOhms                                    |