

**KEMET Part Number: C1206C475K4PACTU**  
(C1206C475K4PAC7800)

SMD Comm X5R, Ceramic, 4.7 uF, 10%, 16 VDC, X5R, SMD, MLCC, Temperature Stable, Class II, 1206



| 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:   | 16 VDC  |
| Dielectric Withstanding Voltage:                                    | 40 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                                    |

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