

**KEMET Part Number: C1206F474K3RACTU**  
(C1206F474K3RAC7800)

SMD Comm X7R FO, Ceramic, 0.47 uF, 10%, 25 VDC, X7R, SMD, MLCC, Open Mode, Temperature Stable, 1206



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

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

| General Information |  |
|---------------------|--|
| Series:             | SMD Comm X7R FO                          |
| Style:              | SMD Chip                                 |
| Description:        | SMD, MLCC, Open Mode, Temperature Stable |
| Features:           | Open Mode, Temperature Stable            |
| RoHS:               | Yes                                      |
| Termination:        | Tin                                      |
| Marking:            | No                                       |
| AEC-Q200:           | No                                       |
| Component Weight:   | 55 mg                                    |
| Shelf Life:         | 78 Weeks                                 |
| MSL:                | 1  |

| Specifications  |   |
|---|---|
| Capacitance:  | 0.47 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 1000 Hours |
| Insulation Resistance:  | 1.0638 GOhms                                    |

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