

**KEMET Part Number: C2220C474K5RACTU**  
(C2220C474K5RAC7800)

SMD Comm X7R, Ceramic, 0.47 uF, 10%, 50 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 2220



| Dimensions |                 |
|------------|-----------------|
| L          | 5.7mm +/-0.4mm  |
| W          | 5mm +/-0.4mm    |
| T          | 1.1mm +/-0.15mm |
| B          | 0.6mm +/-0.35mm |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging:               | T&R, 180mm, Plastic Tape |
| Packaging Quantity:      | 1000                     |

| 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   |
| Miscellaneous:      | Note: Referee time for X7R dielectric for this part number is 1000 hours |
| Chip Size:          | 2220   |
| Shelf Life:         | 78 Weeks   |
| MSL:                | 1  |

| Specifications  |                         |
|---|-------------------------|
| Capacitance:  | 470000 pF, 1kHz 1.0Vrms |
| Capacitance Tolerance:  | 10%                     |
| Voltage DC:   | 50 VDC                  |
| Dielectric Withstanding Voltage:                                    | 125 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:   | 2.50% 1kHz 1.0Vrms      |
| Aging Rate:   | 3% Loss/Decade Hour     |
| Insulation Resistance:  | 2.128 GOhms             |

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