

**KEMET Part Number: C1210X225K5RACTU**  
(C1210X225K5RAC7800)

SMD Comm X7R Flex, Ceramic, 2.2 uF, 10%, 50 VDC, X7R, SMD, MLCC, FT-CAP, Temperature Stable, 1210



| Dimensions |                  |
|------------|------------------|
| Chip Size  | 1210             |
| L          | 3.3mm +/-0.4mm   |
| W          | 2.6mm +/-0.3mm   |
| T          | 1.25mm +/-0.20mm |
| B          | 0.6mm +/-0.25mm  |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging:               | T&R, 180mm, Plastic Tape |
| Packaging Quantity:      | 2500                     |

| General Information |                                       |
|---------------------|---------------------------------------|
| Series:             | SMD Comm X7R Flex                     |
| Style:              | SMD Chip                              |
| Description:        | SMD, MLCC, FT-CAP, Temperature Stable |
| Features:           | FT-CAP, Temperature Stable            |
| RoHS:               | Yes                                   |
| Termination:        | Flexible Termination                  |
| Marking:            | No                                    |
| AEC-Q200:           | No                                    |
| Component Weight:   | 65 mg                                 |
| Shelf Life:         | 78 Weeks                              |
| MSL:                | 1                                     |

| Specifications  |   |
|---|---|
| Capacitance:  | 2.2 uF  |
| Measurement Condition:  | 1 kHz 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:   | 2.5% 1 kHz 1.0Vrms                              |
| Aging Rate:   | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance:  | 227.3 MOhms                                     |

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