## KEMET Part Number: C1206X222K2RACTU

(C1206X222K2RAC7800)



SMD Comm X7R Flex, Ceramic, 2200 pF, 10%, 200 VDC, X7R, SMD, MLCC, FT-CAP, Temperature Stable, 1206



| Dimensions |                  |  |
|------------|------------------|--|
| Chip Size  | 1206             |  |
| L          | 3.3mm +/-0.4mm   |  |
| W          | 1.6mm +/-0.35mm  |  |
| Т          | 0.78mm +/-0.20mm |  |
| В          | 0.6mm +/-0.25mm  |  |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging:               | T&R, 180mm, Plastic Tape |
| Packaging Quantity:      | 4000                     |

| General Information |  |  |
|---------------------|--|--|
| Series:             | SMD Comm X7R Flex                        |  |
| Style:              | SMD Chip                                 |  |
| Description:        | SMD, MLCC, FT-CAP,<br>Temperature Stable |  |
| Features:           | FT-CAP, Temperature Stable               |  |
| RoHS:               | Yes                                      |  |
| Termination:        | Flexible Termination                     |  |
| Marking:            | No                                       |  |
| AEC-Q200:           | No                                       |  |
| Component Weight:   | 17 mg                                    |  |
| Shelf Life:         | 78 Weeks                                 |  |
| MSL:                | 1  |  |

| Specifications  |  |  |
|---|--|--|
| Capacitance:  | 2200 pF  |  |
| Measurement Condition:  | 1 kHz 1.0Vrms                                      |  |
| Capacitance Tolerance:  | 10%  |  |
| Voltage DC:   | 200 VDC  |  |
| Dielectric Withstanding<br>Voltage:                                 | 500 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<br>Time is 1000 Hours |  |
| Insulation Resistance:  | 100 GOhms  |  |

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