

**KEMET Part Number: C1210X102KGRACTU**  
(C1210X102KGRAC7800)



SMD Comm X7R HV Flex, Ceramic, 1000 pF, 10%, 2000 VDC, X7R, SMD, MLCC, FT-CAP, Temperature Stable, 1210



**Dimensions**

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1210            |
| L          | 3.3mm +/-0.4mm  |
| W          | 2.6mm +/-0.3mm  |
| T          | 1.4mm +/-0.15mm |
| B          | 0.6mm +/-0.25mm |

**Packaging Specifications**

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

**General Information**

|                   |                                       |
|-------------------|---------------------------------------|
| Series:           | SMD Comm X7R HV 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:  | 1000 pF   |
| Measurement Condition:  | 1 kHz 1.0Vrms                                   |
| Capacitance Tolerance:  | 10%   |
| Voltage DC:   | 2000 VDC  |
| Dielectric Withstanding Voltage:                                    | 2400 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:  | 100 GOhms                                       |

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