

**KEMET Part Number: C1210X104K1RACTU**  
(C1210X104K1RAC7800)

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SMD Comm X7R Flex, Ceramic, 0.1 uF, 10%, 100 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          | 0.95mm +/-0.20mm |
| B          | 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, Temperature Stable |
| Features:         | FT-CAP, Temperature Stable            |
| RoHS:             | Yes                                   |
| Termination:      | Flexible Termination                  |
| Marking:          | No                                    |
| AEC-Q200:         | No                                    |
| Component Weight: | 50 mg                                 |
| Shelf Life:       | 78 Weeks                              |
| MSL:              | 1                                     |

**Specifications**

|                                                                     |                                                 |
|---------------------------------------------------------------------|-------------------------------------------------|
| Capacitance:                                                        | 0.1 uF                                          |
| Measurement Condition:                                              | 1 kHz 1.0Vrms                                   |
| Capacitance Tolerance:                                              | 10%                                             |
| Voltage DC:                                                         | 100 VDC                                         |
| Dielectric Withstanding Voltage:                                    | 250 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:                                              | 10 GOhms                                        |

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