

**KEMET Part Number: C1206F105K3RACTU**  
(C1206F105K3RAC7800)

SMD Comm X7R FO, Ceramic, 1 uF, 10%, 25 VDC, X7R, SMD, MLCC, Open Mode, Temperature Stable, 1206



**Dimensions**

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1206            |
| L          | 3.2mm +/-0.2mm  |
| W          | 1.6mm +/-0.2mm  |
| T          | 0.9mm +/-0.20mm |
| B          | 0.5mm +/-0.25mm |

**Packaging Specifications**

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

**General Information**

|                   |  |
|-------------------|--|
| Series:           | SMD Comm X7R FO                          |
| Style:            | SMD Chip                                 |
| Description:      | SMD, MLCC, Open Mode, Temperature Stable |
| Features:         | Open Mode, Temperature Stable            |
| RoHS:             | Yes                                      |
| Termination:      | Tin                                      |
| Marking:          | No                                       |
| AEC-Q200:         | No                                       |
| Component Weight: | 25 mg                                    |
| Shelf Life:       | 78 Weeks                                 |
| MSL:              | 1  |

**Specifications**

|   |   |
|---|---|
| Capacitance:  | 1 uF  |
| Measurement Condition:  | 1 kHz 1.0Vrms                                   |
| Capacitance Tolerance:  | 10%   |
| Voltage DC:   | 25 VDC  |
| Dielectric Withstanding Voltage:                                    | 62.5 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:   | 3.5% 1 kHz 1.0Vrms                              |
| Aging Rate:   | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance:  | 500 MOhms                                       |