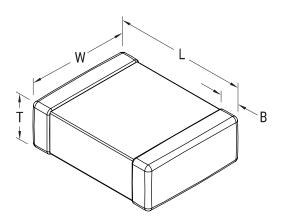
## KEMET Part Number: C1210C105J5RACTU

(C1210C105J5RAC7800)



## SMD Comm X7R, Ceramic, 1 uF, 5%, 50 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 1210



| Dimensions |                  |
|------------|------------------|
| Chip Size  | 1210             |
| L          | 3.2mm +/-0.4mm   |
| W          | 2.5mm +/-0.3mm   |
| Т          | 1.55mm +/-0.15mm |
| В          | 0.5mm +/-0.25mm  |

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

| General Information |  |
|---------------------|--|
| Series:             | SMD Comm X7R                               |
| Style:              | SMD Chip                                   |
| Description:        | SMD, MLCC, Temperature<br>Stable, Class II |
| Features:           | Temperature Stable, Class II               |
| RoHS:               | Yes  |
| Termination:        | Tin  |
| Marking:            | No   |
| AEC-Q200:           | No   |
| Component Weight:   | 65 mg                                      |
| Shelf Life:         | 78 Weeks                                   |
| MSL:                | 1  |

| Specifications  |  |
|---|--|
| Capacitance:  | 1 uF   |
| Measurement Condition:  | 1 kHz 1.0Vrms                                    |
| Capacitance Tolerance:  | 5%   |
| Voltage DC:   | 50 VDC   |
| Dielectric Withstanding<br>Voltage:                                       | 125 VDC  |
| Temperature Range:  | -55/+125°C                                       |
| Temperature Coefficient:  | X7R  |
| Capacitance Change with<br>Reference to +25°C and 0 VDC<br>Applied (TCC): | 15%, 1kHz 1.0Vrms                                |
| Dissipation Factor:   | 5% 1 kHz 1.0Vrms                                 |
| Aging Rate:   | 3% Loss/Decade Hour: Referee<br>Time is 48 Hours |
| Insulation Resistance:  | 500 MOhms  |

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