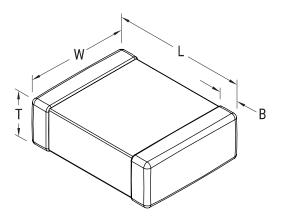
## KEMET Part Number: C1210C822K5RALTU

(C1210C822K5RAL7800)



SMD Comm X7R SnPb, Ceramic, 8200 pF, 10%, 50 VDC, X7R, SMD, MLCC, Temperature Stable, SnPb Termination, 1210



| Dimensions |                  |  |
|------------|------------------|--|
| Chip Size  | 1210             |  |
| L          | 3.2mm +/-0.2mm   |  |
| W          | 2.5mm +/-0.2mm   |  |
| Т          | 0.78mm +/-0.10mm |  |
| В          | 0.5mm +/-0.25mm  |  |

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

| General Information      |  |
|--------------------------|--|
| Series:                  | SMD Comm X7R SnPb  |
| Style:                   | SMD Chip   |
| Description:             | SMD, MLCC, Temperature<br>Stable, SnPb Termination   |
| Features:                | SnPb Termination   |
| RoHS:                    | No   |
| Prop 65:<br>SCIP Number: | warning: Cancer and reproductive harm - www.p65warnings.ca.gov. 5549986b-60cf-4a2a-afbb-4ad1d7a11dcb |
| Termination:             | Lead (SnPb)  |
| Marking:                 | No   |
| AEC-Q200:                | No   |
| Component Weight:        | 40 mg  |
| Shelf Life:              | 78 Weeks   |
| MSL:                     | 1  |

| Specifications  |  |
|---|--|
| Capacitance:  | 8200 pF  |
| Measurement Condition:  | 1 kHz 1.0Vrms                                      |
| Capacitance Tolerance:  | 10%  |
| Voltage DC:   | 50 VDC   |
| Dielectric Withstanding<br>Voltage:                                 | 125 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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