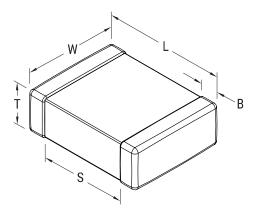
## KEMET Part Number: C0402C823K4RALTU

(C0402C823K4RAL7867)



SMD Comm X7R SnPb, Ceramic, 0.082 uF, 10%, 16 VDC, X7R, SMD, MLCC, Temperature Stable, SnPb Termination, 0402



| Dimensions |                 |  |
|------------|-----------------|--|
| Chip Size  | 0402            |  |
| L          | 1mm +/-0.05mm   |  |
| W          | 0.5mm +/-0.05mm |  |
| Т          | 0.5mm +/-0.05mm |  |
| S          | 0.3mm MIN       |  |
| В          | 0.3mm +/-0.1mm  |  |

| Packaging Specifications |                        |  |
|--------------------------|------------------------|--|
| Packaging:               | T&R, 180mm, Paper Tape |  |
| Packaging Quantity:      | 10000                  |  |

| 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:            | WARNING: Cancer and reproductive harm - www.p65warnings.ca.gov. |  |
| Termination:        | Lead (SnPb)   |  |
| Marking:            | No  |  |
| AEC-Q200:           | No  |  |
| Component Weight:   | 1210 ug   |  |
| Shelf Life:         | 78 Weeks  |  |
| MSL:                | 1   |  |

| Specifications  |  |
|---|--|
| Capacitance:  | 0.082 uF   |
| Measurement Condition:  | 1 kHz 1.0Vrms                                      |
| Capacitance Tolerance:  | 10%  |
| Voltage DC:   | 16 VDC   |
| Dielectric Withstanding<br>Voltage:                                 | 40 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<br>Time is 1000 Hours |
| Insulation Resistance:  | 6.0976 GOhms                                       |

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