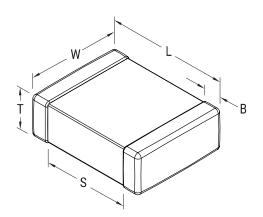
## KEMET Part Number: C0805C102K3RACTU

(C0805C102K3RAC7800)



SMD Comm X7R, Ceramic, 1000 pF, 10%, 25 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 0805



| Dimensions |                  |  |
|------------|------------------|--|
| Chip Size  | 0805             |  |
| L          | 2mm +/-0.2mm     |  |
| W          | 1.25mm +/-0.2mm  |  |
| Т          | 0.78mm +/-0.10mm |  |
| S          | 0.75mm MIN       |  |
| В          | 0.5mm +/-0.25mm  |  |

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

| 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:   | 11 mg                                      |
| Shelf Life:         | 78 Weeks                                   |
| MSL:                | 1  |

| Specifications  |  |
|---|--|
| Capacitance:  | 1000 pF  |
| Measurement Condition:  | 1 kHz 1.0Vrms                                      |
| Capacitance Tolerance:  | 10%  |
| Voltage DC:   | 25 VDC   |
| Dielectric Withstanding<br>Voltage:                                       | 62.5 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:   | 3.5% 1 kHz 1.0Vrms                                 |
| Aging Rate:   | 3% Loss/Decade Hour: Referee<br>Time is 1000 Hours |
| Insulation Resistance:  | 100 GOhms  |

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