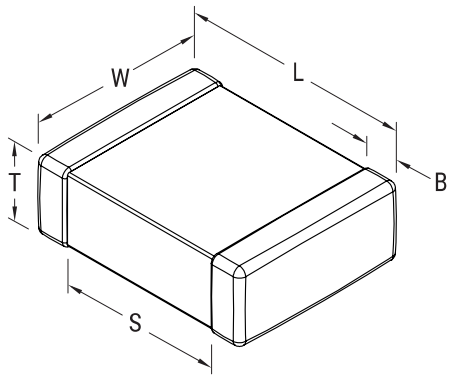
# KEMET Part Number: C0805C104K9RACTU

(C0805C104K9RAC7800)

SMD Comm X7R, Ceramic, 0.1 uF, 10%, 6.3 V, X7R, SMD, MLCC, Temperature Stable, Class II, 0805




| Dimensions | |
|---|---|
| **L** | 2mm +/-0.2mm |
| **W** | 1.25mm +/-0.2mm |
| **T** | 0.78mm +/-0.10mm |
| **S** | 0.75mm MIN |
| **B** | 0.5mm +/-0.25mm |

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

| General Information | |
|---|---|
| **Supplier:** | KEMET |
| **Series:** | SMD Comm X7R |
| **Style:** | SMD Chip |
| **Description:** | SMD, MLCC, Temperature Stable, Class II |
| **Features:** | Temperature Stable, Class II |
| **RoHS:** | Yes |
| **Termination:** | Tin |
| **Marking:** | No |
| **Failure Rate:** | N/A |
| **Miscellaneous:** | Note: Referee time for X7R dielectric for this part number is 48 hours |
| **Chip Size:** | 0805 |
| **Shelf Life:** | 78 Weeks |
| **MSL:** | 1 |

| Specifications | |
|---|---|
| **Capacitance:** | 0.1 uF |
| **Capacitance Tolerance:** | 10% |
| **Voltage DC:** | 6.3 VDC |
| **Dielectric Withstanding Voltage:** | 15.75 V |
| **Temperature Range:** | -55/+125C |
| **Temperature Coefficient:** | X7R |
| **Dissipation Factor:** | 5% 1kHz 25C |
| **Aging Rate:** | 3% Loss/Decade Hour |
| **Insulation Resistance:** | 10 GOhms |

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