

**KEMET Part Number: C0805C104J3RACTU**  
(C0805C104J3RAC7800)

SMD Comm X7R, Ceramic, 0.1 uF, 5%, 25 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 0805



**Dimensions**

| Dimension | Value            |
|-----------|------------------|
| 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**

|                            |                        |
|----------------------------|------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Paper Tape |
| <b>Packaging Quantity:</b> | 4000                   |

**General Information**

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

**Specifications**

|   |                     |
|---|---------------------|
| <b>Capacitance:</b>                     | 0.1 uF              |
| <b>Capacitance Tolerance:</b>           | 5%                  |
| <b>Voltage DC:</b>                      | 25 VDC              |
| <b>Dielectric Withstanding Voltage:</b> | 62.5 V              |
| <b>Temperature Range:</b>               | -55/+125C           |
| <b>Temperature Coefficient:</b>         | X7R                 |
| <b>Dissipation Factor:</b>              | 3.50% 1kHz 25C      |
| <b>Aging Rate:</b>                      | 3% Loss/Decade Hour |
| <b>Insulation Resistance:</b>           | 10 GOhms            |