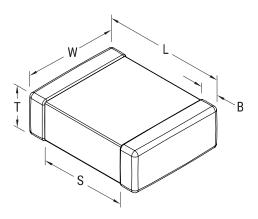
## **KEMET Part Number: C0805C101KBRACTU**

(C0805C101KBRAC7800)



SMD Comm X7R HV, Ceramic, 100 pF, 10%, 630 VDC, X7R, SMD, MLCC, High Voltage, Temperature Stable, 0805



| Dimensions |                  |  |
|------------|------------------|--|
| L          | 2mm +/-0.2mm     |  |
| W          | 1.25mm +/-0.2mm  |  |
| Т          | 1.25mm +/-0.15mm |  |
| S          | 0.75mm MIN       |  |
| В          | 0.5mm +/-0.25mm  |  |

| Packaging Specifications |                          |  |
|--------------------------|--------------------------|--|
| Packaging:               | T&R, 180mm, Plastic Tape |  |
| Packaging Quantity:      | 2500                     |  |

| General Information |  |
|---------------------|--|
| Supplier:           | KEMET  |
| Series:             | SMD Comm X7R HV  |
| Style:              | SMD Chip   |
| Description:        | SMD, MLCC, High Voltage,<br>Temperature Stable                                 |
| Features:           | High Voltage   |
| RoHS:               | Yes  |
| Termination:        | Tin  |
| Marking:            | No   |
| Miscellaneous:      | Note: Referee time for X7R<br>dielectric for this part number is<br>1000 hours |
| Chip Size:          | 0805   |

| Specifications                      |                     |  |
|-------------------------------------|---------------------|--|
| Capacitance:                        | 100 pF              |  |
| Capacitance Tolerance:              | 10%                 |  |
| Voltage DC:                         | 630 VDC             |  |
| Dielectric Withstanding<br>Voltage: | 945 V               |  |
| Temperature Range:                  | -55/+125C           |  |
| Temperature Coefficient:            | X7R                 |  |
| Dissipation Factor:                 | 2.50% 1kHz 25C      |  |
| Aging Rate:                         | 3% Loss/Decade Hour |  |
| Insulation Resistance:              | 100 GOhms           |  |

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