

**KEMET Part Number: C0805V103KCRACTU**  
(C0805V103KCRAC7800)

Capacitor, Ceramic, SMD, MLCC, Arcshield, High Voltage, Temp Stable, 0.01 uF, +/-10% Tol, 500 V, X7R, 0805 (2012 metric)



#### General Information

|                                 |   |
|---------------------------------|---|
| <b>Supplier:</b>                | KEMET   |
| <b>Application:</b>             | Arc Shield                                      |
| <b>Chip Size:</b>               | 0805 (2012 metric)                              |
| <b>Temperature Coefficient:</b> | X7R   |
| <b>Part Type Description:</b>   | SMD, MLCC, Arcshield, High Voltage, Temp Stable |
| <b>Termination Type:</b>        | Tin (Sn)  |
| <b>Marked:</b>                  | No  |
| <b>RoHS:</b>                    | Yes   |

#### Dimensions (mm)

| Symbol   | Dimension | Tolerance |
|----------|-----------|-----------|
| <b>L</b> | 2         | +/-0.2    |
| <b>W</b> | 1.25      | +/-0.2    |
| <b>T</b> | 1.25      | +/-0.15   |
| <b>B</b> | 0.5       | +/-0.25   |
| <b>S</b> | 0.75      | MIN       |

#### Packaging Specifications

|                          |              |
|--------------------------|--------------|
| <b>Package Kind:</b>     | T&R          |
| <b>Package Size:</b>     | 7 in/180 mm  |
| <b>Package Type:</b>     | Plastic Tape |
| <b>Package Quantity:</b> | 2500         |

#### Specifications

|                               |   |
|-------------------------------|---|
| <b>Capacitance:</b>           | 0.01 uF   |
| <b>Voltage:</b>               | 500 V   |
| <b>Tolerance:</b>             | +/-10%  |
| <b>Temperature Range:</b>     | -55/+125C   |
| <b>Dissipation Factor:</b>    | 2.5%  |
| <b>Failure Rate:</b>          | N/A   |
| <b>Aging Rate:</b>            | 3% loss/decade hour   |
| <b>Insulation Resistance:</b> | 10 GOhm   |
| <b>Dielectric Strength:</b>   | 750 V   |
| <b>Miscellaneous:</b>         | Note: Referee time for X7R dielectric for this part number is 1000 hours      |
| <b>Miscellaneous:</b>         | X7R dielectric is not recommended for AC line filtering or pulse applications |