

KEMET Part Number: C0805V103KBRAC TU
(C0805V103KBRAC7800)



ArcShield SMD Comm X7R HV, Ceramic, Anti-Arcing, 0.01 uF, 10%, 630 VDC, X7R, SMD, MLCC, ArcShield, High Voltage, Temperature Stable, 0805



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

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

| General Information | |
|-----------------------|---|
| Supplier: | KEMET |
| Series: | ArcShield SMD Comm X7R HV |
| Style: | SMD Chip |
| Description: | SMD, MLCC, ArcShield, High Voltage, Temperature Stable |
| Features: | High Voltage, Temperature Stable |
| RoHS: | Yes |
| Termination: | Tin |
| Marking: | No |
| Miscellaneous: | Note: Referee time for X7R dielectric for this part number is 1000 hours. X7R dielectric is not recommended for AC line filtering or pulse applications |
| Chip Size: | 0805 |

| Specifications | |
|---|---------------------|
| Capacitance: | 0.01 uF |
| Capacitance Tolerance: | 10% |
| Voltage DC: | 630 VDC |
| Dielectric Withstanding Voltage: | 945 V |
| Temperature Range: | -55/+125C |
| Temperature Coefficient: | X7R |
| Dissipation Factor: | 2.50% 1kHz 25C |
| Aging Rate: | 3% Loss/Decade Hour |
| Insulation Resistance: | 10 GOhms |

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