

KEMET Part Number: C1812V104KDRACTU
(C1812V104KDRAC7800)

Capacitor, Ceramic, SMD, MLCC, Arcshield, High Voltage, Temp Stable, 0.1 uF, +/-10% Tol, 1000 V, X7R, 1812 (4532 metric)



| General Information | |
|--------------------------|---|
| Supplier: | KEMET |
| Application: | Arc Shield |
| Chip Size: | 1812 (4532 metric) |
| Temperature Coefficient: | X7R |
| Part Type Description: | SMD, MLCC, Arcshield, High Voltage, Temp Stable |
| Termination Type: | Tin (Sn) |
| Marked: | No |
| RoHS: | Yes |

| Dimensions (mm) | | |
|-----------------|-----------|-----------|
| Symbol | Dimension | Tolerance |
| L | 4.5 | +/-0.3 |
| W | 3.2 | +/-0.3 |
| T | 1.7 | +/-0.15 |
| B | 0.6 | +/-0.35 |

| Packaging Specifications | |
|--------------------------|--------------|
| Package Kind: | T&R |
| Package Size: | 7 in/180 mm |
| Package Type: | Plastic Tape |
| Package Quantity: | 1000 |

| Specifications | |
|------------------------|---|
| Capacitance: | 0.1 uF |
| Voltage: | 1000 V |
| Tolerance: | +/-10% |
| Temperature Range: | -55/+125C |
| Dissipation Factor: | 2.5% |
| Failure Rate: | N/A |
| Aging Rate: | 3% loss/decade hour |
| Insulation Resistance: | 1 GOhm |
| Dielectric Strength: | 1200 V |
| Miscellaneous: | Note: Referee time for X7R dielectric for this part number is 1000 hours |
| Miscellaneous: | X7R dielectric is not recommended for AC line filtering or pulse applications |

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