

**KEMET Part Number: C1808W154KCRAC7800**  
(C1808W154KCRAC7800)

Ceramic, Anti-Arcing, ArcShieldFlexTerm-(CxxxxW), 0.15 uF, 10%, 500 V, 1808, X7R, SMD, MLCC, Arcshield, High Voltage



**Dimensions**

|          |                 |
|----------|-----------------|
| <b>L</b> | 4.7mm +/-0.5mm  |
| <b>W</b> | 2mm +/-0.2mm    |
| <b>T</b> | 1.6mm +/-0.15mm |
| <b>B</b> | 0.7mm +/-0.35mm |

**Packaging Specifications**

|                            |                          |
|----------------------------|--------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Plastic Tape |
| <b>Packaging Quantity:</b> | 1000                     |

**General Information**

|                       |   |
|-----------------------|---|
| <b>Style:</b>         | SMD Chip  |
| <b>Series:</b>        | ArcShieldFlexTerm-(CxxxxW)  |
| <b>Chip Size:</b>     | 1808  |
| <b>Description:</b>   | SMD, MLCC, Arcshield, High Voltage  |
| <b>Features:</b>      | High Voltage  |
| <b>RoHS:</b>          | Yes   |
| <b>Termination:</b>   | Flexible Termination  |
| <b>Marking:</b>       | No  |
| <b>Failure Rate:</b>  | N/A   |
| <b>Miscellaneous:</b> | 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 |

**Specifications**

|   |                     |
|---|---------------------|
| <b>Capacitance:</b>                     | 0.15 uF             |
| <b>Capacitance Tolerance:</b>           | 10%                 |
| <b>Voltage DC:</b>                      | 500 VDC             |
| <b>Dielectric Withstanding Voltage:</b> | 750 V               |
| <b>Temperature Range:</b>               | -55/+125C           |
| <b>Temperature Coefficient:</b>         | X7R                 |
| <b>Dissipation Factor:</b>              | 2.5%                |
| <b>Aging Rate:</b>                      | 3% Loss/Decade Hour |
| <b>Insulation Resistance:</b>           | 667 MOhms           |