

## C1812W154KBRAC7800

Aliases (C1812W154KBRAC7800)

ArcShield SMD Comm X7R HV, Ceramic, 0.15 uF, 10%, 630 VDC, X7R, SMD, MLCC, ArcShield, High Voltage, 2.3 mm, 1812 / 4532



Click [here](#) for the 3D model.

### General Information

|                          |  |
|--------------------------|--|
| Series                   | ArcShield SMD Comm X7R HV  |
| Style                    | SMD Chip   |
| Description              | SMD, MLCC, ArcShield, High Voltage   |
| Features                 | High Voltage   |
| RoHS                     | Yes  |
| Termination              | Flexible Termination   |
| Marking                  | No   |
| Typical Component Weight | 185 mg   |
| Miscellaneous            | X7R dielectric is not recommended for AC line filtering or pulse applications. |
| Shelf Life               | 78 Weeks   |
| MSL                      | 1  |

### Dimensions

|                      |                 |
|----------------------|-----------------|
| L                    | 4.5mm +/-0.4mm  |
| W                    | 3.2mm +/-0.3mm  |
| T                    | 1.7mm +/-0.20mm |
| S                    | 2.3mm MIN       |
| B                    | 0.7mm +/-0.35mm |
| Case Code (EIA / mm) | 1812 / 4532     |

### Packaging Specifications

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 1000                     |

### Specifications

|  |   |
|--|---|
| Capacitance  | 0.15 uF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Tolerance  | 10%   |
| Voltage DC   | 630 VDC   |
| Dielectric Withstanding Voltage                                    | 945 VDC   |
| Temperature Range  | -55/+125°C                                      |
| Temp. Coefficient  | X7R   |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15%, 1kHz 1.0Vrms                               |
| Dissipation Factor   | 2.5% 1 kHz 1.0Vrms                              |
| Aging Rate   | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance  | 666.7 MOhms                                     |

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