

## C1812V104KDRAC7210

ArcShield SMD Comm X7R HV, Ceramic, 0.1 uF, 10%, 1000 VDC, X7R, SMD, MLCC, ArcShield, High Voltage, Temperature Stable, 1812



Click here for the 3D model.

| Dimensions |                 |  |
|------------|-----------------|--|
| Chip Size  | 1812            |  |
| L          | 4.5mm +/-0.3mm  |  |
| W          | 3.2mm +/-0.3mm  |  |
| Т          | 1.7mm +/-0.15mm |  |
| В          | 0.6mm +/-0.35mm |  |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging                | T&R, 330mm, Plastic Tape |
| Packaging Quantity       | 4000                     |

| General Information |  |
|---------------------|--|
| Series              | ArcShield SMD Comm X7R HV  |
| Style               | SMD Chip   |
| Description         | SMD, MLCC, ArcShield, High Voltage,<br>Temperature Stable                      |
| Features            | High Voltage, Temperature Stable   |
| RoHS                | Yes  |
| Termination         | Tin  |
| Marking             | No   |
| AEC-Q200            | No   |
| Component<br>Weight | 185 mg   |
| Miscellaneous       | X7R dielectric is not recommended for AC line filtering or pulse applications. |
| Shelf Life          | 78 Weeks   |
| MSL                 | 1  |

| Specifications   |  |
|--|--|
| Capacitance  | 0.1 uF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                      |
| Capacitance Tolerance  | 10%  |
| Voltage DC   | 1000 VDC   |
| Dielectric Withstanding Voltage                                    | 1200 VDC   |
| Temperature Range  | -55/+125°C   |
| Temperature 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:<br>Referee Time is 1000 Hours |
| Insulation Resistance  | 1GOhms   |

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