

## C1825W394KCRAC7800

Aliases (C1825W394KCRAC7800)

ArcShield SMD Comm X7R HV, Ceramic, 0.39 uF, 10%, 500 VDC, X7R, SMD, MLCC, Arcshield, High Voltage, 1825



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

### Dimensions

|           |                 |
|-----------|-----------------|
| Chip Size | 1825            |
| L         | 4.6mm +/-0.4mm  |
| W         | 6.4mm +/-0.4mm  |
| T         | 2.5mm +/-0.20mm |
| B         | 0.7mm +/-0.35mm |

### Packaging Specifications

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 500                      |

### 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   |
| AEC-Q200         | No   |
| Component Weight | 380 mg   |
| Miscellaneous    | X7R dielectric is not recommended for AC line filtering or pulse applications. |
| Shelf Life       | 78 Weeks   |
| MSL              | 1  |

### Specifications

|  |   |
|--|---|
| Capacitance  | 0.39 uF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Capacitance Tolerance  | 10%   |
| Voltage DC   | 500 VDC   |
| Dielectric Withstanding Voltage                                    | 750 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: Referee Time is 1000 Hours |
| Insulation Resistance  | 256.4 MOhms                                     |