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| 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   |
| Typical Component Weight | 21 mg  |
| Miscellaneous            | X7R dielectric is not recommended for AC line filtering or pulse applications. |
| Shelf Life               | 78 Weeks   |
| MSL                      | 1  |

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0805             |
| L          | 2mm +/-0.3mm     |
| W          | 1.25mm +/-0.3mm  |
| T          | 1.25mm +/-0.15mm |
| S          | 0.6mm MIN        |
| B          | 0.5mm +/-0.25mm  |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging                | T&R, 180mm, Plastic Tape |
| Packaging Quantity       | 2500                     |

| Specifications   |   |
|--|---|
| Capacitance  | 3,300 pF  |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Tolerance  | 10%   |
| Voltage DC   | 1000 VDC  |
| Dielectric Withstanding Voltage                                    | 1,200 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  | 100 GOhms                                       |

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