



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

### Dimensions

|           |                 |
|-----------|-----------------|
| Chip Size | 2220            |
| L         | 5.7mm +/-0.4mm  |
| W         | 5mm +/-0.4mm    |
| T         | 1.6mm +/-0.20mm |
| B         | 0.6mm +/-0.35mm |

### Packaging Specifications

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

### General Information

|                  |   |
|------------------|---|
| Series           | SMD Comm X7R HV                             |
| Style            | SMD Chip                                    |
| Description      | SMD, MLCC, High Voltage, Temperature Stable |
| Features         | High Voltage                                |
| RoHS             | Yes   |
| Termination      | Tin   |
| Marking          | No  |
| AEC-Q200         | No  |
| Component Weight | 230 mg                                      |
| Shelf Life       | 78 Weeks                                    |
| MSL              | 1   |

### Specifications

|  |   |
|--|---|
| Capacitance  | 0.22 uF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Capacitance Tolerance  | 10%   |
| Voltage DC   | 630 VDC   |
| Dielectric Withstanding Voltage                                    | 945 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% 1kHz 1.0Vrms                               |
| Aging Rate   | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance  | 454.5 MOhms                                     |

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