

## C1825C224KBRALTU

Aliases (C1825C224KBRAL7800)

SMD Comm X7R HV, Ceramic, 0.22 uF, 10%, 630 VDC, X7R, SMD, MLCC, High Voltage, Temperature Stable, 1825



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

### General Information

|                          |  |
|--------------------------|--|
| Series                   | SMD Comm X7R HV  |
| Style                    | SMD Chip   |
| Description              | SMD, MLCC, High Voltage, Temperature Stable  |
| RoHS                     | No   |
| Prop 65                  | <b>⚠ WARNING:</b> Cancer and reproductive harm - <a href="http://www.p65warnings.ca.gov">http://www.p65warnings.ca.gov</a> . |
| Termination              | Lead (SnPb)  |
| Marking                  | No   |
| AEC-Q200                 | No   |
| Typical Component Weight | 310 mg   |
| Shelf Life               | 78 Weeks   |
| MSL                      | 1  |

### Dimensions

|           |                 |
|-----------|-----------------|
| Chip Size | 1825            |
| L         | 4.5mm +/-0.3mm  |
| W         | 6.4mm +/-0.4mm  |
| T         | 2mm +/-0.20mm   |
| S         | 2.3mm MIN       |
| B         | 0.6mm +/-0.35mm |

### Packaging Specifications

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

### 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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