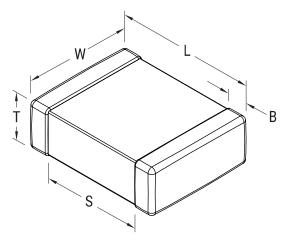


## C1210W823KBRALTU

Aliases (C1210W823KBRAL7800) ArcShield SMD Comm X7R HV, Ceramic, 0.082 uF, 10%, 630 VDC, X7R, SMD, MLCC, ArcShield, High Voltage, 1210, 1.5 mm



Click here for the 3D model.

| General Information      |  |
|--------------------------|--|
| Series                   | ArcShield SMD Comm X7R HV  |
| Style                    | SMD Chip   |
| Description              | SMD, MLCC, ArcShield, High<br>Voltage  |
| Features                 | High Voltage   |
| RoHS                     | No   |
| Prop 65                  | WARNING: Cancer and<br>reproductive harm -<br>https://www.p65warnings.ca.gov<br>/    |
| SCIP Number              | 7ec925ae-a760-4fa4-b241-5c7<br>2235270f0   |
| Termination              | Flexible Termination With Lead<br>(SnPb)   |
| Marking                  | No   |
| AEC-Q200                 | No   |
| Typical Component Weight | 105 mg   |
| Miscellaneous            | X7R dielectric is not<br>recommended for AC line<br>filtering or pulse applications. |
| Shelf Life               | 78 Weeks   |
| MSL                      | 1  |

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1210            |
| L          | 3.3mm +/-0.4mm  |
| W          | 2.6mm +/-0.3mm  |
| Т          | 2.1mm +/-0.20mm |
| S          | 1.5mm MIN       |
| В          | 0.6mm +/-0.25mm |
|            |                 |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging                | T&R, 180mm, Plastic Tape |
| Packaging Quantity       | 2000                     |
|                          |                          |

| Specifications   |  |
|--|--|
| Capacitance  | 0.082 uF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                      |
| Tolerance  | 10%  |
| Voltage DC   | 630 VDC  |
| Dielectric Withstanding Voltage  | 945 VDC  |
| Temperature Range  | -55/+125°C   |
| Temp. Coefficient  | X7R  |
| Capacitance Change with<br>Reference to +25°C and 0 VDC<br>Applied (TCC) | 15%, 1kHz 1.0Vrms                                  |
| Dissipation Factor   | 2.5%1kHz1.0Vrms                                    |
| Aging Rate   | 3% Loss/Decade Hour: Referee<br>Time is 1000 Hours |
| Insulation Resistance  | 1.2195 GOhms                                       |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute – and we specifically disclaim – any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.