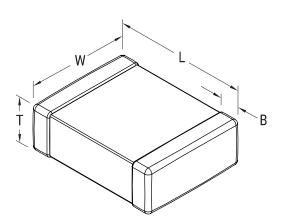
## KEMET Part Number: C1210V823KBRACTU

(C1210V823KBRAC7800)



ArcShield SMD Comm X7R HV, Ceramic, 0.082 uF, 10%, 630 VDC, X7R, SMD, MLCC, ArcShield, High Voltage, Temperature Stable, 1210



| Dimensions |                 |  |
|------------|-----------------|--|
| L          | 3.2mm +/-0.2mm  |  |
| W          | 2.5mm +/-0.2mm  |  |
| Т          | 2.1mm +/-0.20mm |  |
| В          | 0.5mm +/-0.25mm |  |

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

| General Information |   |
|---------------------|---|
| Supplier:           | KEMET   |
| Series:             | ArcShield SMD Comm X7R HV   |
| Style:              | SMD Chip  |
| Description:        | SMD, MLCC, ArcShield, High Voltage, Temperature Stable  |
| Features:           | High Voltage, Temperature<br>Stable   |
| RoHS:               | Yes   |
| Termination:        | Tin   |
| Marking:            | No  |
| Miscellaneous:      | Note: Referee time for X7R<br>dielectric for this part number<br>is 1000 hours. X7R dielectric is<br>not recommended for AC line<br>filtering or pulse applications |
| Chip Size:          | 1210  |

| Specifications                      |                     |  |
|-------------------------------------|---------------------|--|
| Capacitance:                        | 0.082 uF            |  |
| Capacitance Tolerance:              | 10%                 |  |
| Voltage DC:                         | 630 VDC             |  |
| Dielectric Withstanding<br>Voltage: | 945 VDC             |  |
| Temperature Range:                  | -55/+125C           |  |
| Temperature Coefficient:            | X7R                 |  |
| Dissipation Factor:                 | 2.50% 1kHz 25C      |  |
| Aging Rate:                         | 3% Loss/Decade Hour |  |
| Insulation Resistance:              | 1.22 GOhms          |  |

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