

**KEMET Part Number: C1206V223KCRACTU**  
(C1206V223KCRAC7800)



Ceramic, Anti-Arcing, ArcShield-(CxxxxV), 0.022 uF, 10%, 500 V, 1206, X7R, SMD, MLCC, ArcShield, High Voltage, Temperature Stable



CeramicChipSolutions  
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| Dimensions |                 |
|------------|-----------------|
| <b>L</b>   | 3.2mm +/-0.2mm  |
| <b>W</b>   | 1.6mm +/-0.2mm  |
| <b>T</b>   | 1.7mm +/-0.20mm |
| <b>B</b>   | 0.5mm +/-0.25mm |

| Packaging Specifications   |                          |
|----------------------------|--------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Plastic Tape |
| <b>Packaging Quantity:</b> | 2000                     |

| General Information   |   |
|-----------------------|---|
| <b>Style:</b>         | SMD Chip  |
| <b>Series:</b>        | ArcShield-(CxxxxV)  |
| <b>Chip Size:</b>     | 1206  |
| <b>Description:</b>   | SMD, MLCC, ArcShield, High Voltage, Temperature Stable  |
| <b>Features:</b>      | High Voltage, Temperature Stable  |
| <b>RoHS:</b>          | Yes   |
| <b>Termination:</b>   | Tin   |
| <b>Marking:</b>       | No  |
| <b>Failure Rate:</b>  | N/A   |
| <b>Miscellaneous:</b> | Note: Referee time for X7R dielectric for this part number is 1000 hours. X7R dielectric is not recommended for AC line filtering or pulse applications |

| Specifications                  |                     |
|---------------------------------|---------------------|
| <b>Capacitance:</b>             | 0.022 uF            |
| <b>Capacitance Tolerance:</b>   | 10%                 |
| <b>Voltage DC:</b>              | 500 VDC             |
| <b>Temperature Range:</b>       | -55/+125C           |
| <b>Temperature Coefficient:</b> | X7R                 |
| <b>Dissipation Factor:</b>      | 2.5%                |
| <b>Aging Rate:</b>              | 3% Loss/Decade Hour |
| <b>Insulation Resistance:</b>   | 4.55 GOhms          |
| <b>Dielectric Strength:</b>     | 750 V               |

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