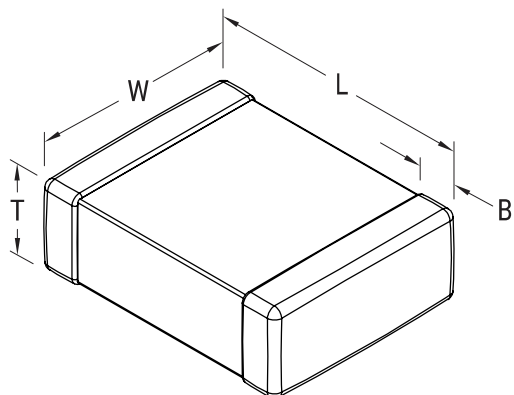


**KEMET Part Number: CAN21X224KARACTU**  
(CAN21X224KARAC7800)

AC SMD X7R Flex, Ceramic, Non-safety, 0.22 uF, 10%, 250VAC, X7R, SMD, MLCC, Industrial, 2220



**Dimensions**

|          |                 |
|----------|-----------------|
| <b>L</b> | 5.9mm +/-0.75mm |
| <b>W</b> | 5mm +/-0.4mm    |
| <b>T</b> | 1.6mm +/-0.20mm |
| <b>B</b> | 0.7mm +/-0.35mm |

**Packaging Specifications**

|                            |                          |
|----------------------------|--------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Plastic Tape |
| <b>Packaging Quantity:</b> | 1000                     |

**General Information**

|                       |                                                                                                                                                         |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Supplier:</b>      | KEMET                                                                                                                                                   |
| <b>Series:</b>        | CAN SMD Indust X7R                                                                                                                                      |
| <b>Style:</b>         | SMD Chip                                                                                                                                                |
| <b>Description:</b>   | SMD, MLCC, AC Non-Safety                                                                                                                                |
| <b>Features:</b>      | AC Non-Safety rated                                                                                                                                     |
| <b>RoHS:</b>          | Yes                                                                                                                                                     |
| <b>Termination:</b>   | Flexible Termination                                                                                                                                    |
| <b>Marking:</b>       | No                                                                                                                                                      |
| <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 |
| <b>Chip Size:</b>     | 2220                                                                                                                                                    |

**Specifications**

|                                         |                     |
|-----------------------------------------|---------------------|
| <b>Capacitance:</b>                     | 0.22 uF             |
| <b>Capacitance Tolerance:</b>           | 10%                 |
| <b>Voltage AC:</b>                      | 250 VAC 50/60Hz     |
| <b>Dielectric Withstanding Voltage:</b> | 945 V               |
| <b>Temperature Range:</b>               | -55/+125C           |
| <b>Temperature Coefficient:</b>         | X7R                 |
| <b>Dissipation Factor:</b>              | 2.50% 1kHz 25C      |
| <b>Aging Rate:</b>                      | 3% Loss/Decade Hour |
| <b>Insulation Resistance:</b>           | 455 MOhms           |