

**KEMET Part Number: C0402C223K9PACTU**  
(C0402C223K9PAC7867)

SMD Comm X5R, Ceramic, 0.022 uF, 10%, 6.3 VDC, X5R, SMD, MLCC, Temperature Stable, Class II, 0402



**Dimensions**

|          |                 |
|----------|-----------------|
| <b>L</b> | 1mm +/-0.05mm   |
| <b>W</b> | 0.5mm +/-0.05mm |
| <b>T</b> | 0.5mm +/-0.05mm |
| <b>S</b> | 0.3mm MIN       |
| <b>B</b> | 0.3mm +/-0.1mm  |

**Packaging Specifications**

|                            |                        |
|----------------------------|------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Paper Tape |
| <b>Packaging Quantity:</b> | 10000                  |

**General Information**

|                       |                                                                          |
|-----------------------|--------------------------------------------------------------------------|
| <b>Supplier:</b>      | KEMET                                                                    |
| <b>Series:</b>        | SMD Comm X5R                                                             |
| <b>Style:</b>         | SMD Chip                                                                 |
| <b>Description:</b>   | SMD, MLCC, Temperature Stable, Class II                                  |
| <b>Features:</b>      | Temperature Stable, Class II                                             |
| <b>RoHS:</b>          | Yes                                                                      |
| <b>Termination:</b>   | Tin                                                                      |
| <b>Marking:</b>       | No                                                                       |
| <b>Miscellaneous:</b> | Note: Referee time for X5R dielectric for this part number is 1000 hours |
| <b>Chip Size:</b>     | 0402                                                                     |

**Specifications**

|                                         |                     |
|-----------------------------------------|---------------------|
| <b>Capacitance:</b>                     | 0.022 uF            |
| <b>Capacitance Tolerance:</b>           | 10%                 |
| <b>Voltage DC:</b>                      | 6.3 VDC             |
| <b>Dielectric Withstanding Voltage:</b> | 15.75 V             |
| <b>Temperature Range:</b>               | -55/+85C            |
| <b>Temperature Coefficient:</b>         | X5R                 |
| <b>Dissipation Factor:</b>              | 5.00% 1kHz 25C      |
| <b>Aging Rate:</b>                      | 5% Loss/Decade Hour |
| <b>Insulation Resistance:</b>           | 10 GOhms            |