

**KEMET Part Number: C0402C225K9PACTU**  
(C0402C225K9PAC7867)

SMD Comm X5R, Ceramic, 2.2 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 48 hours |
| <b>Chip Size:</b>     | 0402   |

| Specifications                          |                     |
|---|---------------------|
| <b>Capacitance:</b>                     | 2.2 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>              | 10.00% 1kHz 25C     |
| <b>Aging Rate:</b>                      | 5% Loss/Decade Hour |
| <b>Insulation Resistance:</b>           | 45 MOhms            |