

**KEMET Part Number: C0402C222K3GECTU**  
(C0402C222K3GEC7867)

ESD SMD Comm C0G, Ceramic, Electro Static Discharge, 2200 pF, 10%, 25 VDC, C0G, SMD, MLCC, Temperature Stable, Electro Static Discharge, Class I, 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>      | ESD SMD Comm C0G   |
| <b>Style:</b>       | SMD Chip   |
| <b>Description:</b> | SMD, MLCC, Temperature Stable, Electro Static Discharge, Class I |
| <b>Features:</b>    | Temperature Stable, Low ESR, Class I                             |
| <b>RoHS:</b>        | Yes  |
| <b>Termination:</b> | Tin  |
| <b>Marking:</b>     | No   |
| <b>Chip Size:</b>   | 0402   |

| Specifications                          |                     |
|---|---------------------|
| <b>Capacitance:</b>                     | 2200 pF             |
| <b>Capacitance Tolerance:</b>           | 10%                 |
| <b>Voltage DC:</b>                      | 25 VDC              |
| <b>ESD Level per AEC-Q200:</b>          | 6,000 V ESD Level   |
| <b>Dielectric Withstanding Voltage:</b> | 62.5 V              |
| <b>Temperature Range:</b>               | -55/+125C           |
| <b>Temperature Coefficient:</b>         | C0G                 |
| <b>Dissipation Factor:</b>              | 0.10% 1kHz 25C      |
| <b>Aging Rate:</b>                      | 0% Loss/Decade Hour |
| <b>Insulation Resistance:</b>           | 100 GOhms           |