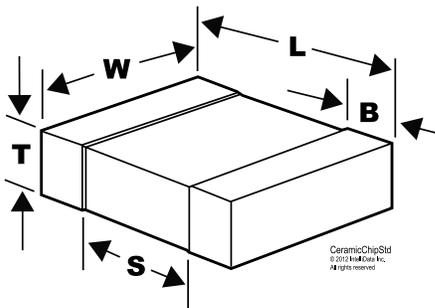


**KEMET Part Number: C0603C821J5GACTU**  
(C0603C821J5GAC7867)

Ceramic, Commercial-(CxxxxC), 820 pF, 5%, 50 V, 0603, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I



| Dimensions |                  |
|------------|------------------|
| <b>L</b>   | 1.6mm +/-0.15mm  |
| <b>W</b>   | 0.8mm +/-0.15mm  |
| <b>T</b>   | 0.8mm +/-0.07mm  |
| <b>S</b>   | 0.7mm MIN        |
| <b>B</b>   | 0.35mm +/-0.15mm |

| Packaging Specifications   |                        |
|----------------------------|------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Paper Tape |
| <b>Packaging Quantity:</b> | 4000                   |

| General Information   |   |
|-----------------------|---|
| <b>Style:</b>         | SMD Chip  |
| <b>Series:</b>        | Commercial-(CxxxxC)                                     |
| <b>Chip Size:</b>     | 0603  |
| <b>Description:</b>   | SMD, MLCC, Ultra-Stable, Low Loss, Class I              |
| <b>Features:</b>      | Ultra-Stable, Low Loss, Class I                         |
| <b>RoHS:</b>          | Yes   |
| <b>Termination:</b>   | Tin   |
| <b>Marking:</b>       | No  |
| <b>Failure Rate:</b>  | N/A   |
| <b>Miscellaneous:</b> | Note: KEMET 50V rated parts may be operated at 63 Volts |

| Specifications                  |                     |
|---------------------------------|---------------------|
| <b>Capacitance:</b>             | 820 pF              |
| <b>Capacitance Tolerance:</b>   | 5%                  |
| <b>Voltage DC:</b>              | 50 VDC              |
| <b>Temperature Range:</b>       | -55/+125C           |
| <b>Temperature Coefficient:</b> | COG                 |
| <b>Dissipation Factor:</b>      | 0.1%                |
| <b>Aging Rate:</b>              | 0% Loss/Decade Hour |
| <b>Insulation Resistance:</b>   | 100 GOhms           |
| <b>Dielectric Strength:</b>     | 125 V               |