

**KEMET Part Number: C0603X820J5GACTU**  
(C0603X820J5GAC7867)

Capacitor, Ceramic, SMD, MLCC, FT-CAP, Ultra Stable, 82 pF, +/-5% Tol, 50V, C0G, 0603 (1608 metric)



| Dimensions (mm) |           |             |
|-----------------|-----------|-------------|
| Symbol          | Dimension | Tolerance   |
| L               | 1.6       | +0.2/-0.1   |
| W               | 0.8       | +/-0.15     |
| T               | 0.80      | +/-0.07     |
| B               | 0.45      | +0.05/-0.15 |
| S               | 0.58      | MIN         |

| Packaging Specifications |            |
|--------------------------|------------|
| Package Kind:            | T&R        |
| Package Size:            | 7in        |
| Package Type:            | Paper Tape |
| Package Quantity:        | 4000       |

| General Information       |   |
|---------------------------|---|
| Supplier:                 | KEMET   |
| Part Type Description:    | SMD, MLCC, FT-CAP, Ultra Stable                         |
| Miscellaneous Electrical: | Note: KEMET 50V rated parts may be operated at 63 Volts |

| Specifications           |                                    |
|--------------------------|------------------------------------|
| Capacitance:             | 82 pF                              |
| Chip Size:               | 0603 (1608 metric)                 |
| Voltage:                 | 50V                                |
| Temperature Coefficient: | C0G                                |
| Tolerance:               | +/-5%                              |
| Application:             | Standard Chip/Flexible Termination |
| Termination Type:        | Flexible Termination               |
| Marked:                  | No                                 |
| Temperature Range:       | -55/+125C                          |
| Dissipation Factor:      | 0.1%                               |
| Aging Rate:              | 0% loss/decade hour                |
| Insulation Resistance:   | 100 GOhm                           |
| Dielectric Strength:     | 125V                               |