## KEMET Part Number: C0603C822F3GACTU

(C0603C822F3GAC7867)



Capacitor, Ceramic, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 8200 pF, +/-1% Tol, 25 V, C0G, 0603 (1608 metric)



| General Information      |   |  |
|--------------------------|---|--|
| Supplier:                | KEMET   |  |
| Application:             | Standard Chip                                 |  |
| Chip Size:               | 0603 (1608 metric)                            |  |
| Temperature Coefficient: | COG   |  |
| Part Type Description:   | SMD, MLCC, Ultra-Stable, Low<br>Loss, Class I |  |
| Termination Type:        | Tin (Sn)                                      |  |
| Marked:                  | No  |  |
| RoHS:                    | Yes   |  |

| Dimensions (mm) |           |           |  |
|-----------------|-----------|-----------|--|
| Symbol          | Dimension | Tolerance |  |
| L               | 1.6       | +/-0.15   |  |
| W               | 0.8       | +/-0.15   |  |
| Т               | 0.8       | +/-0.07   |  |
| В               | 0.35      | +/-0.15   |  |
| S               | 0.7       | MIN       |  |

| Packaging Specifications |             |  |
|--------------------------|-------------|--|
| Package Kind:            | T&R         |  |
| Package Size:            | 7 in/180 mm |  |
| Package Type:            | Paper Tape  |  |
| Package Quantity:        | 4000        |  |

| Specifications         |                     |  |
|------------------------|---------------------|--|
| Capacitance:           | 8200 pF             |  |
| Voltage:               | 25 V                |  |
| Tolerance:             | +/-1%               |  |
| Temperature Range:     | -55/+125C           |  |
| Dissipation Factor:    | 0.1%                |  |
| Failure Rate:          | N/A                 |  |
| Aging Rate:            | 0% loss/decade hour |  |
| Insulation Resistance: | 100 GOhm            |  |
| Dielectric Strength:   | 62.5 V              |  |

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