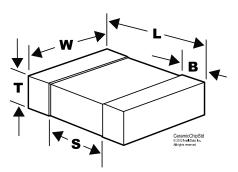
## KEMET Part Number: C0805C689C5GACTU

(C0805C689C5GAC7800)



Ceramic, Commercial-(CxxxxC), 6.8 pF, +/-0.25 pF, 50 V, 0805, C0G, SMD, MLCC, Ultra-Stable, Low Loss, Class I



| Dimensions |                  |
|------------|------------------|
| L          | 2mm +/-0.2mm     |
| W          | 1.25mm +/-0.2mm  |
| Т          | 0.78mm +/-0.10mm |
| S          | 0.75mm MIN       |
| В          | 0.5mm +/-0.25mm  |

| Packaging Specifications |                        |  |
|--------------------------|------------------------|--|
| Packaging:               | T&R, 180mm, Paper Tape |  |
| Packaging Quantity:      | 4000                   |  |

| General Information |                                                         |
|---------------------|---------------------------------------------------------|
| Style:              | SMD Chip                                                |
| Series:             | Commercial-(CxxxxC)                                     |
| Chip Size:          | 0805                                                    |
| Description:        | SMD, MLCC, Ultra-Stable, Low<br>Loss, Class I           |
| Features:           | Ultra-Stable, Low Loss, Class I                         |
| RoHS:               | Yes                                                     |
| Termination:        | Tin                                                     |
| Marking:            | No                                                      |
| Failure Rate:       | N/A                                                     |
| Miscellaneous:      | Note: KEMET 50V rated parts may be operated at 63 Volts |

| Specifications                      |                     |  |
|-------------------------------------|---------------------|--|
| Capacitance:                        | 6.8 pF              |  |
| Capacitance Tolerance:              | +/-0.25 pF          |  |
| Voltage DC:                         | 50 VDC              |  |
| Dielectric Withstanding<br>Voltage: | 125 V               |  |
| Temperature Range:                  | -55/+125C           |  |
| Temperature Coefficient:            | COG                 |  |
| Dissipation Factor:                 | 0.1%                |  |
| Aging Rate:                         | 0% Loss/Decade Hour |  |
| Insulation Resistance:              | 100 GOhms           |  |

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