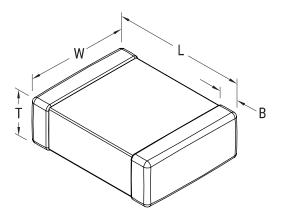
## **KEMET Part Number: C1210X682J5GAC**



## SMD Comm COG Flex, Ceramic, 6800 pF, 5%, 50 VDC, COG, SMD, MLCC, FT-CAP, Ultra-Stable, 1210



| Dimensions |                  |  |
|------------|------------------|--|
| Chip Size  | 1210             |  |
| L          | 3.3mm +/-0.4mm   |  |
| W          | 2.6mm +/-0.3mm   |  |
| Т          | 0.78mm +/-0.20mm |  |
| В          | 0.6mm +/-0.25mm  |  |

| Packaging Specifications |           |  |
|--------------------------|-----------|--|
| Packaging:               | Bulk, Bag |  |
| Packaging Quantity:      | 1         |  |

| General Information |                                     |
|---------------------|-------------------------------------|
| Series:             | SMD Comm C0G Flex                   |
| Style:              | SMD Chip                            |
| Description:        | SMD, MLCC, FT-CAP, Ultra-<br>Stable |
| Features:           | FT-CAP, Ultra-Stable                |
| RoHS:               | Yes                                 |
| Termination:        | Flexible Termination                |
| Marking:            | No                                  |
| AEC-Q200:           | No                                  |
| Component Weight:   | 30 mg                               |
| Shelf Life:         | 78 Weeks                            |
| MSL:                | 1                                   |

| Specifications  |                        |  |
|---|------------------------|--|
| Capacitance:  | 6800 pF                |  |
| Measurement Condition:  | 1 kHz 1.0Vrms          |  |
| Capacitance Tolerance:  | 5%                     |  |
| Voltage DC:   | 50 VDC                 |  |
| Dielectric Withstanding<br>Voltage:                                 | 125 VDC                |  |
| Temperature Range:  | -55/+125°C             |  |
| Temperature Coefficient:  | COG                    |  |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC): | 30 ppm/C, 1kHz 1.0Vrms |  |
| Dissipation Factor:   | 0.1% 1 kHz 1.0Vrms     |  |
| Aging Rate:   | 0% Loss/Decade Hour    |  |
| Insulation Resistance:  | 100 GOhms              |  |

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