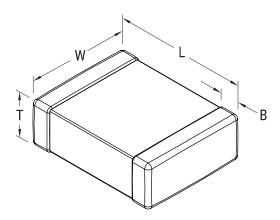
## **KEMET Part Number: C1210C681KGRACTU**

(C1210C681KGRAC7800)



SMD Comm X7R HV, Ceramic, 680 pF, 10%, 2000 VDC, X7R, SMD, MLCC, High Voltage, Temperature Stable, 1210



| Dimensions |                 |  |
|------------|-----------------|--|
| Chip Size  | 1210            |  |
| L          | 3.2mm +/-0.2mm  |  |
| W          | 2.5mm +/-0.2mm  |  |
| Т          | 1.4mm +/-0.15mm |  |
| В          | 0.5mm +/-0.25mm |  |

| Packaging Specifications |                          |  |
|--------------------------|--------------------------|--|
| Packaging:               | T&R, 180mm, Plastic Tape |  |
| Packaging Quantity:      | 2000                     |  |

| General Information |  |  |
|---------------------|--|--|
| Series:             | SMD Comm X7R HV                                |  |
| Style:              | SMD Chip                                       |  |
| Description:        | SMD, MLCC, High Voltage,<br>Temperature Stable |  |
| Features:           | High Voltage                                   |  |
| RoHS:               | Yes  |  |
| Termination:        | Tin  |  |
| Marking:            | No   |  |
| AEC-Q200:           | No   |  |
| Component Weight:   | 65 mg  |  |
| Shelf Life:         | 78 Weeks                                       |  |
| MSL:                | 1  |  |

| Specifications  |  |
|---|--|
| Capacitance:  | 680 pF   |
| Measurement Condition:  | 1 kHz 1.0Vrms                                      |
| Capacitance Tolerance:  | 10%  |
| Voltage DC:   | 2000 VDC   |
| Dielectric Withstanding<br>Voltage:                                 | 2400 VDC   |
| Temperature Range:  | -55/+125°C   |
| Temperature Coefficient:  | X7R  |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC): | 15%, 1kHz 1.0Vrms                                  |
| Dissipation Factor:   | 2.5% 1 kHz 1.0Vrms                                 |
| Aging Rate:   | 3% Loss/Decade Hour: Referee<br>Time is 1000 Hours |
| Insulation Resistance:  | 100 GOhms  |

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