

**KEMET Part Number: C1825C152FBGACTU**  
(C1825C152FBGAC7800)

SMD Comm COG HV, Ceramic, 1500 pF, 1%, 630 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 1825



**Dimensions**

| Chip Size | 1825            |
|-----------|-----------------|
| L         | 4.5mm +/-0.3mm  |
| W         | 6.4mm +/-0.4mm  |
| T         | 1.4mm +/-0.15mm |
| B         | 0.6mm +/-0.35mm |

**Packaging Specifications**

|                     |                          |
|---------------------|--------------------------|
| Packaging:          | T&R, 180mm, Plastic Tape |
| Packaging Quantity: | 1000                     |

**General Information**

|              |  |
|--------------|--|
| Series:      | SMD Comm COG HV                            |
| Style:       | SMD Chip                                   |
| Description: | SMD, MLCC, Ultra-Stable, Low Loss, Class I |
| Features:    | Ultra-Stable, Low Loss, Class I            |
| RoHS:        | Yes  |
| Termination: | Tin  |
| Marking:     | No   |
| AEC-Q200:    | No   |
| Shelf Life:  | 78 Weeks                                   |
| MSL:         | 1  |

**Specifications**

|   |                        |
|---|------------------------|
| Capacitance:  | 1500 pF                |
| Measurement Condition:  | 1 kHz 1.0Vrms          |
| Capacitance Tolerance:  | 1%                     |
| Voltage DC:   | 630 VDC                |
| Dielectric Withstanding Voltage:                                    | 945 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              |