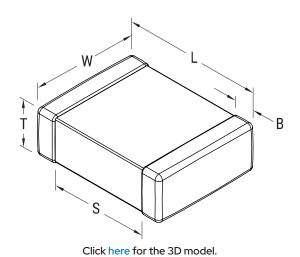


## C2824C393JBGACTU

Aliases (C2824C393JBGAC7800) SMD Comm COG HV, Ceramic, 0.039 uF, 5%, 630 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 2824, 4.2 mm



| General Information      |   |
|--------------------------|---|
| Series                   | SMD Comm COG HV                               |
| Style                    | SMD Chip                                      |
| Description              | SMD, MLCC, Ultra-Stable, Low<br>Loss, Class I |
| Features                 | Ultra-Stable, Low Loss, Class I               |
| RoHS                     | Yes   |
| Termination              | Tin   |
| Marking                  | No  |
| AEC-Q200                 | No  |
| Typical Component Weight | 540 mg  |
| Shelf Life               | 78 Weeks                                      |
| MSL                      | 1   |

| Dimens   | sions |                 |
|----------|-------|-----------------|
| Chip Siz | ze    | 2824            |
| L        |       | 7.1mm +/-0.4mm  |
| W        |       | 6.1mm +/-0.4mm  |
| т        |       | 2.5mm +/-0.20mm |
| S        |       | 4.2mm MIN       |
| В        |       | 1.27mm +/-0.4mm |
|          |       |                 |

## **Packaging Specifications**

PackagingT&R, 180mm, Plastic TapePackaging Quantity300

| Specifications   |                        |
|--|------------------------|
| Capacitance  | 0.039 uF               |
| Measurement Condition  | 1 kHz 1.0Vrms          |
| Tolerance  | 5%                     |
| Voltage DC   | 630 VDC                |
| Dielectric Withstanding Voltage  | 819 VDC                |
| Temperature Range  | -55/+125°C             |
| Temp. Coefficient  | COG                    |
| Capacitance Change with<br>Reference to +25°C and 0 VDC<br>Applied (TCC) | 30 ppm/C, 1kHz 1.0Vrms |
| Dissipation Factor   | 0.1% 1 kHz 1.0Vrms     |
| Aging Rate   | 0% Loss/Decade Hour    |
| Insulation Resistance  | 25.641 GOhms           |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.