

## C0805X829B5GAL7800

Aliases (C0805X829B5GAL7800)

SMD Comm COG Flex, Ceramic, 8.2 pF, +/-0.1 pF, 50 VDC, COG, SMD, MLCC, FT-CAP, Ultra-Stable, 0805



Click [here](#) for the 3D model.

### General Information

|                          |  |
|--------------------------|--|
| Series                   | SMD Comm COG Flex  |
| Style                    | SMD Chip   |
| Description              | SMD, MLCC, FT-CAP, Ultra-Stable  |
| Features                 | FT-CAP, Ultra-Stable   |
| RoHS                     | No   |
| Prop 65                  | <b>⚠ WARNING:</b> Cancer and reproductive harm - <a href="http://www.p65warnings.ca.gov">http://www.p65warnings.ca.gov</a> . |
| Termination              | Flexible Termination With Lead (SnPb)  |
| Marking                  | false  |
| AEC-Q200                 | No   |
| Typical Component Weight | 11 mg  |
| Shelf Life               | 78 Weeks   |
| MSL                      | 1  |

### Dimensions

|           |                  |
|-----------|------------------|
| Chip Size | 0805             |
| L         | 2mm +/-0.3mm     |
| W         | 1.25mm +/-0.3mm  |
| T         | 0.78mm +/-0.20mm |
| S         | 0.6mm MIN        |
| B         | 0.5mm +/-0.25mm  |

### Packaging Specifications

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 4000                     |

### Specifications

|  |                           |
|--|---------------------------|
| Capacitance  | 8.2 pF                    |
| Measurement Condition  | 1MHz 1.0Vrms              |
| Capacitance Tolerance  | +/-0.1pF                  |
| Voltage DC   | 50 VDC                    |
| Dielectric Withstanding 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, 1MegaHz 1.0Vrms |
| Dissipation Factor   | 0.1% 1MHz 1.0Vrms         |
| Aging Rate   | 0% Loss/Decade Hour       |
| Insulation Resistance  | 100 GOhms                 |

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