

## C0805S683M1RACTU

Aliases (C0805S683M1RAC7800)

SMD Comm X7R FE, Ceramic, 0.068 uF, 20%, 100 VDC, X7R, SMD, MLCC, FE-CAP, Floating Electrode, Temperature Stable, 0.7 mm, 0805 / 2012



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

### General Information

|                          |   |
|--------------------------|---|
| Series                   | SMD Comm X7R FE   |
| Style                    | SMD Chip  |
| Description              | SMD, MLCC, FE-CAP, Floating Electrode, Temperature Stable |
| Features                 | FE-CAP, Floating Electrode, Temperature Stable            |
| RoHS                     | Yes   |
| Termination              | Tin   |
| Marking                  | No  |
| Typical Component Weight | 21 mg   |
| Shelf Life               | 78 Weeks  |
| MSL                      | 1   |

### Specifications

|  |   |
|--|---|
| Capacitance  | 0.068 uF  |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Tolerance  | 20%   |
| Voltage DC   | 100 VDC   |
| Dielectric Withstanding Voltage                                    | 250 VDC   |
| Temperature Range  | -55/+125°C                                      |
| Temp. Coefficient  | X7R   |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15%   |
| Dissipation Factor   | 2.5% 1 kHz 1.0Vrms                              |
| Aging Rate   | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance  | 14.7059 GOhms                                   |

### Dimensions

|                      |                  |
|----------------------|------------------|
| L                    | 2mm +/-0.2mm     |
| W                    | 1.25mm +/-0.2mm  |
| T                    | 1.25mm +/-0.15mm |
| S                    | 0.7mm MIN        |
| B                    | 0.5mm +/-0.25mm  |
| Case Code (EIA / mm) | 0805 / 2012      |

### Packaging Specifications

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 2500                     |

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