

## C0805Y154M9RACTU

Aliases (C0805Y154M9RAC7800)

SMD Comm X7R FF, Ceramic, 0.15 uF, 20%, 6.3 VDC, X7R, SMD, MLCC, FF-CAP, Floating Electrode, 0.6 mm, 0805 / 2012



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

### General Information

|                          |                                       |
|--------------------------|---------------------------------------|
| Series                   | SMD Comm X7R FF                       |
| Style                    | SMD Chip                              |
| Description              | SMD, MLCC, FF-CAP, Floating Electrode |
| Features                 | FF-CAP, Floating Electrode            |
| RoHS                     | Yes                                   |
| Termination              | Flexible Termination                  |
| Marking                  | No                                    |
| AEC-Q200                 | No                                    |
| Typical Component Weight | 21 mg                                 |
| Shelf Life               | 78 Weeks                              |
| MSL                      | 1                                     |

### Dimensions

|                      |                  |
|----------------------|------------------|
| L                    | 2mm +/-0.3mm     |
| W                    | 1.25mm +/-0.3mm  |
| T                    | 1.25mm +/-0.15mm |
| S                    | 0.6mm MIN        |
| B                    | 0.5mm +/-0.25mm  |
| Case Code (EIA / mm) | 0805 / 2012      |

### Packaging Specifications

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

### Specifications

|                                                                    |                                                 |
|--------------------------------------------------------------------|-------------------------------------------------|
| Capacitance                                                        | 0.15 uF                                         |
| Measurement Condition                                              | 1 kHz 1.0Vrms                                   |
| Tolerance                                                          | 20%                                             |
| Voltage DC                                                         | 6.3 VDC                                         |
| Dielectric Withstanding Voltage                                    | 15.75 VDC                                       |
| Temperature Range                                                  | -55/+125°C                                      |
| Temp. Coefficient                                                  | X7R                                             |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15%                                             |
| Dissipation Factor                                                 | 5% 1 kHz 1.0Vrms                                |
| Aging Rate                                                         | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance                                              | 3.3333 GOhms                                    |

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