



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

### Dimensions

|           |                  |
|-----------|------------------|
| Chip Size | 0805             |
| L         | 2mm +/-0.2mm     |
| W         | 1.25mm +/-0.2mm  |
| T         | 1.25mm +/-0.15mm |
| S         | 0.75mm MIN       |
| B         | 0.5mm +/-0.25mm  |

### Packaging Specifications

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 330mm, Plastic Tape |
| Packaging Quantity | 10000                    |

### General Information

|                  |                                       |
|------------------|---------------------------------------|
| Series           | SMD Comm Y5V                          |
| Style            | SMD Chip                              |
| Description      | SMD, MLCC, General Purpose, Class III |
| Features         | Class III                             |
| RoHS             | Yes                                   |
| Termination      | Tin                                   |
| Marking          | No                                    |
| AEC-Q200         | No                                    |
| Component Weight | 21 mg                                 |
| Shelf Life       | 78 Weeks                              |
| MSL              | 1                                     |

### Specifications

|  |   |
|--|---|
| Capacitance  | 0.33 uF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Capacitance Tolerance  | 20%   |
| Voltage DC   | 16 VDC  |
| Dielectric Withstanding Voltage                                    | 40 VDC  |
| Temperature Range  | -30/+85°C                                       |
| Temperature Coefficient  | Y5V   |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | +22%/-82%, 1kHz 1.0Vrms                         |
| Dissipation Factor   | 7% 1 kHz 1.0Vrms                                |
| Aging Rate   | 7% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance  | 303 MOhms                                       |

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