

## C0805X333K1REC

ESD SMD Comm X7R, Ceramic, 0.033 uF, 10%, 100 VDC, X7R, SMD, MLCC, Temperature Stable, Electro Static Discharge, Class II, 0805, 0.6 mm



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

### General Information

|                          |   |
|--------------------------|---|
| Series                   | ESD SMD Comm X7R  |
| Style                    | SMD Chip  |
| Description              | SMD, MLCC, Temperature Stable, Electro Static Discharge, Class II |
| Features                 | Temperature Stable, Class II                                      |
| RoHS                     | Yes   |
| Termination              | Flexible Termination  |
| Marking                  | No  |
| AEC-Q200                 | No  |
| Typical Component Weight | 13 mg   |
| Shelf Life               | 78 Weeks  |
| MSL                      | 1   |

### Dimensions

|           |                 |
|-----------|-----------------|
| Chip Size | 0805            |
| L         | 2mm +/-0.3mm    |
| W         | 1.25mm +/-0.3mm |
| T         | 1mm +/-0.20mm   |
| S         | 0.6mm MIN       |
| B         | 0.5mm +/-0.25mm |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 1         |

### Specifications

|  |   |
|--|---|
| Capacitance  | 0.033 uF  |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Tolerance  | 10%   |
| Voltage DC   | 100 VDC   |
| ESD Level per AEC-Q200   | 25,000 V ESD Level                              |
| 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%, 1kHz 1.0Vrms                               |
| Dissipation Factor   | 2.5% 1 kHz 1.0Vrms                              |
| Aging Rate   | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance  | 30.303 GOhms                                    |

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