

## C1206C155K5RECTU

Aliases (C1206C155K5REC7800)

ESD SMD Comm X7R, Ceramic, 1.5 uF, 10%, 50 VDC, X7R, SMD, MLCC, Temperature Stable, Electro Static Discharge, Class II, 1206



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

### Dimensions

|           |                 |
|-----------|-----------------|
| Chip Size | 1206            |
| L         | 3.2mm +/-0.2mm  |
| W         | 1.6mm +/-0.2mm  |
| T         | 1.6mm +/-0.20mm |
| B         | 0.5mm +/-0.25mm |

### Packaging Specifications

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 2000                     |

### 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      | Tin                                                               |
| Marking          | No                                                                |
| AEC-Q200         | No                                                                |
| Component Weight | 41 mg                                                             |
| Shelf Life       | 78 Weeks                                                          |
| MSL              | 1                                                                 |

### Specifications

|                                                                    |                                                    |
|--------------------------------------------------------------------|----------------------------------------------------|
| Capacitance                                                        | 1.5 uF                                             |
| Measurement Condition                                              | 1 kHz 1.0Vrms                                      |
| Capacitance Tolerance                                              | 10%                                                |
| Voltage DC                                                         | 50 VDC                                             |
| ESD Level per AEC-Q200                                             | 25,000 V ESD Level                                 |
| Dielectric Withstanding Voltage                                    | 125 VDC                                            |
| Temperature Range                                                  | -55/+125°C                                         |
| Temperature Coefficient                                            | X7R                                                |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15%, 1kHz 1.0Vrms                                  |
| Dissipation Factor                                                 | 2.5% 1kHz 1.0Vrms                                  |
| Aging Rate                                                         | 3% Loss/Decade Hour:<br>Referee Time is 1000 Hours |
| Insulation Resistance                                              | 333.3 MOhms                                        |

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