



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

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1210            |
| L          | 3.3mm +/-0.4mm  |
| W          | 2.6mm +/-0.3mm  |
| T          | 2.1mm +/-0.20mm |
| B          | 0.6mm +/-0.25mm |

| Packaging Specifications |          |
|--------------------------|----------|
| Packaging                | Cut Reel |
| Packaging Quantity       | 1000     |

| General Information |                                     |
|---------------------|-------------------------------------|
| Series              | SMD Indust X7R HT175C               |
| Style               | SMD Chip                            |
| Description         | SMD, MLCC, High Temperature, FT-Cap |
| Features            | FT-CAP, High Temperature            |
| RoHS                | Yes                                 |
| Termination         | Flexible Termination                |
| Marking             | No                                  |
| AEC-Q200            | No                                  |
| Component Weight    | 105 mg                              |
| Shelf Life          | 78 Weeks                            |
| MSL                 | 1                                   |

| Specifications   |   |
|--|---|
| Capacitance  | 1 uF  |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Capacitance Tolerance  | 10%   |
| Voltage DC   | 50 VDC  |
| Dielectric Withstanding Voltage                                    | 125 VDC   |
| Temperature Range  | -55/+175°C                                      |
| Temperature Coefficient  | X7R   |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15% (-55C to 125C), 1kHz 1.0Vrms                |
| Dissipation Factor   | 2.5% 1kHz 1.0Vrms                               |
| Aging Rate   | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance  | 500 MOhms                                       |

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