



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

General Information

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| Series | SMD HRA X7R |
| Style | SMD Chip |
| Description | High Reliability Alternative (HRA), X-LEVEL, SnPb |
| RoHS | No |
| Prop 65 | WARNING: Cancer and reproductive harm - https://www.p65warnings.ca.gov/ |
| Termination | Lead (SnPb) |
| Marking | No |
| Typical Component Weight | 390 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

Specifications

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|--|---|
| Capacitance | 10 uF |
| Measurement Condition | 1 kHz 1.0Vrms |
| Tolerance | 10% |
| Voltage DC | 25 VDC |
| Dielectric Withstanding Voltage | 62.5 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 | 3.5% 1 kHz 1.0Vrms |
| Aging Rate | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance | 50 MOhms |

Dimensions

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|----------------------|-----------------|
| L | 5.7mm +/-0.4mm |
| W | 5mm +/-0.4mm |
| T | 2.4mm +/-0.15mm |
| S | 3.5mm MIN |
| B | 0.6mm +/-0.35mm |
| Case Code (EIA / mm) | 2220 / 5651 |

Packaging Specifications

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|--------------------|--------------------------|
| Packaging | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 500 |

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