



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

| General Information | |
|--------------------------|--|
| Series | Array Auto X7R Flex |
| Style | SMD Array |
| Description | SMD, MLCC, Array, Flex Termination, Automotive Grade |
| Features | Automotive Grade |
| RoHS | Yes |
| Termination | Flexible Termination |
| Qualifications | AEC-Q200 |
| AEC-Q200 | Yes |
| Typical Component Weight | 23 mg |
| Notes | Last Time Buy Date (LTB): May 30th, 2024. |
| Chip Size | 0612 |
| Shelf Life | 78 Weeks |
| MSL | 1 |

| Dimensions | |
|------------|-----------------|
| L | 1.6mm +/-0.2mm |
| W | 3.2mm +/-0.2mm |
| T | 0.8mm +/-0.10mm |
| P | 0.8mm +/-0.10mm |

| Packaging Specifications | |
|--------------------------|------------------------|
| Packaging | T&R, 180mm, Paper Tape |
| Packaging Quantity | 4000 |

| Specifications | |
|--|---|
| Capacitance | 1800 pF |
| Measurement Condition | 1 kHz 1.0Vrms |
| Capacitance Tolerance | 20% |
| Voltage DC | 10 VDC |
| Dielectric Withstanding Voltage | 25 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 | 5% 1 kHz 1.0Vrms |
| Aging Rate | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance | 100 GOhms |

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