



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

General Information

| | |
|--------------------------|---|
| Series | KPS SMD Auto X7R |
| Style | Stacked Chip |
| Description | SMD, MLCC, Stacked, Double Chip, Class II, Automotive Grade |
| Features | Automotive Grade |
| RoHS | Yes |
| Termination | Tin |
| Qualifications | AEC-Q200 |
| AEC-Q200 | Yes |
| Typical Component Weight | 310 mg |
| Chip Size | 1812-2 |
| Shelf Life | 78 Weeks |
| MSL | 1 |

Specifications

| | |
|--|---|
| Capacitance | 22 uF |
| Measurement Condition | 120 Hz 0.5Vrms |
| Tolerance | 20% |
| Voltage DC | 16 VDC |
| Dielectric Withstanding Voltage | 40 VDC |
| Temperature Range | -55/+125°C |
| Temp. Coefficient | X7R |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15%, 120Hz 0.5Vrms |
| Dissipation Factor | 3.5% 120 Hz 0.5Vrms |
| Aging Rate | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance | 22.7 MOhms |

Dimensions

| | |
|---|----------------|
| L | 5mm +/-0.5mm |
| W | 3.5mm +/-0.5mm |
| T | 5mm +/-0.5mm |
| B | 1.1mm +/-0.3mm |

Packaging Specifications

| | |
|--------------------|--------------------------|
| Packaging | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 400 |

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