



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

General Information

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|-------------------------|--|
| Series | KPS SM SMD Indust X7R HV |
| Style | Stacked Chip |
| Description | SMD, Fixed, High Volt, Low ESR, Leaded, Mil-Screen |
| Features | Low ESR, Mil-Screen |
| RoHS | With Exemptions |
| REACH | SVHC (Pb – CAS 7439-92-1) |
| Termination | Silver |
| Testing and Reliability | Level A |
| AEC-Q200 | No |
| Chip Size | SM26 |
| Shelf Life | 78 Weeks |
| MSL | 1 |

Specifications

| | |
|--|---------------------|
| Capacitance | 0.1 uF |
| Measurement Condition | 1 kHz 1.0Vrms |
| Tolerance | 10% |
| Voltage DC | 1000 VDC |
| Dielectric Withstanding Voltage | 1,500 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 | 2.5% 1 kHz 1.0Vrms |
| Aging Rate | 3% Loss/Decade Hour |
| Insulation Resistance | 10 GOhms |

Dimensions

| | |
|---|--------------------|
| L | 16.51mm +/-0.762mm |
| W | 15.24mm +/-0.762mm |
| T | 5.588mm MAX |
| A | 12.7mm MAX |
| B | 2.54mm +/-0.508mm |

Packaging Specifications

| | |
|--------------------|------|
| Packaging | Tray |
| Packaging Quantity | 50 |

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