



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

### Dimensions

|           |                   |
|-----------|-------------------|
| Chip Size | SM23              |
| L         | 8.89mm +/-0.762mm |
| W         | 7.62mm +/-0.762mm |
| T         | 5.588mm MAX       |
| A         | 5.08mm MAX        |
| B         | 2.54mm +/-0.508mm |

### Packaging Specifications

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

### General Information

|             |  |
|-------------|--|
| Series      | KPS SM SMD Indust X7R HV                           |
| Style       | SMD Chip   |
| Description | SMD, Fixed, High Volt, Low ESR, Leaded, Industrial |
| Features    | High Voltage, Low ESR, Industrial Grade            |
| RoHS        | With Exemptions                                    |
| REACH       | SVHC (Pb - CAS 7439-92-1)                          |
| Termination | Silver   |
| Marking     | No   |
| AEC-Q200    | No   |
| Shelf Life  | 78 Weeks   |
| MSL         | 1  |

### Specifications

|                                 |            |
|---------------------------------|------------|
| Capacitance                     | 0.022 uF   |
| Capacitance Tolerance           | 10%        |
| Voltage DC                      | 2000 VDC   |
| Dielectric Withstanding Voltage | 2400 VDC   |
| Temperature Range               | -55/+125°C |
| Temperature Coefficient         | X7R        |
| Dissipation Factor              | 2.5%       |
| Insulation Resistance           | 45.5 GOhms |
| Quality Factor                  | 3          |