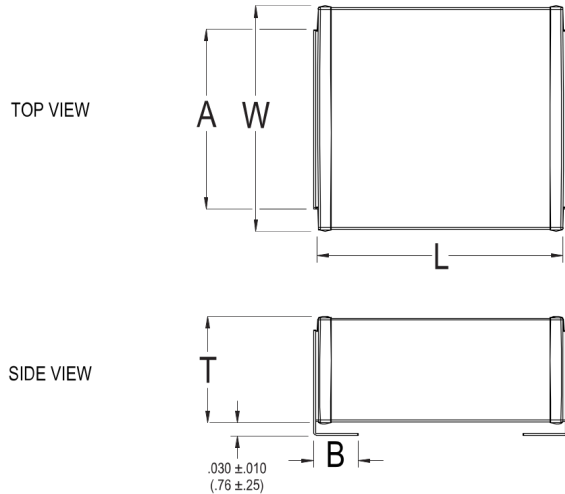


## SM36B565M501BM

Aliases (SM36B565M501M)

KPS SM SMD Indust X7R HV, Ceramic, 5.6 uF, 20%, 500 VDC, X7R, SMD, Fixed, High Volt, Low ESR, Leaded, Mil-Screen, SM36



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

### Dimensions

|           |                    |
|-----------|--------------------|
| Chip Size | SM36               |
| L         | 34.29mm +/-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 | 10   |

### General Information

|                         |  |
|-------------------------|--|
| Series                  | KPS SM SMD Indust X7R HV                           |
| Style                   | SMD 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   |
| Marking                 | No   |
| Testing and Reliability | Level A  |
| AEC-Q200                | No   |
| Shelf Life              | 78 Weeks   |
| MSL                     | 1  |

### Specifications

|                                 |            |
|---------------------------------|------------|
| Capacitance                     | 5.6 uF     |
| Capacitance Tolerance           | 20%        |
| Voltage DC                      | 500 VDC    |
| Dielectric Withstanding Voltage | 750 VDC    |
| Temperature Range               | -55/+125°C |
| Temperature Coefficient         | X7R        |
| Dissipation Factor              | 2.5%       |
| Insulation Resistance           | 200 MOhms  |
| Quality Factor                  | 3          |