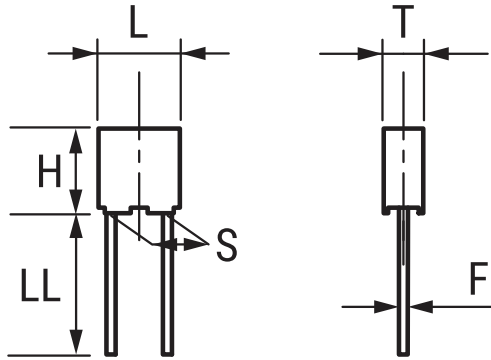


## RSBWC1680AA00K

Aliases (SBWC1680AA00K)

RSB, Film, Metallized Polyester Stacked, Automotive Grade, 6,800 pF, 10%, 500 VDC, 85°C, 5 mm



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

### General Information

|                          |                                                    |
|--------------------------|----------------------------------------------------|
| Series                   | RSB                                                |
| Dielectric               | Metallized Polyester Stacked                       |
| Style                    | Radial                                             |
| Features                 | Automotive Grade, DC Multipurpose Applications     |
| RoHS                     | Yes                                                |
| Termination              | Cut (Tinned Wire)                                  |
| Lead                     | Cut                                                |
| Qualifications           | AEC-Q200                                           |
| Typical Component Weight | 0.395 g                                            |
| Miscellaneous            | Above 85°C DC And AC Voltage Derating Is 1.25%/°C. |

### Specifications

|                       |                                    |
|-----------------------|------------------------------------|
| Capacitance           | 6,800 pF                           |
| Tolerance             | 10%                                |
| Voltage DC            | 500 VDC                            |
| Voltage AC            | 220 VAC                            |
| Temperature Range     | -55/+125°C                         |
| Rated Temperature     | 85°C                               |
| Dissipation Factor    | 0.8% 1kHz, 1.2% 10kHz, 2.5% 100kHz |
| Insulation Resistance | 30 GOhms                           |
| Max dV/dt             | 700 V/us                           |
| Inductance            | 7 nH                               |

### Dimensions

|    |                 |
|----|-----------------|
| L  | 7.2mm +0.3mm    |
| H  | 9.5mm +0.1mm    |
| T  | 4.5mm +0.2mm    |
| S  | 5mm +/-0.4mm    |
| LL | 4mm +1.5mm      |
| F  | 0.5mm +/-0.05mm |

### Packaging Specifications

|                    |      |
|--------------------|------|
| Packaging          | Bulk |
| Packaging Quantity | 1500 |

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