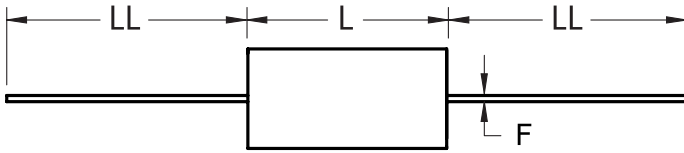


## A50IT4680AA60K

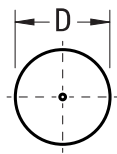
Aliases (50IT4680AA60K)

A50, Film, Metallized Polyester, Automotive Grade, 6.8 uF, 10%, 250 VDC, 160 VAC, 85°C

### FRONT VIEW



### SIDE VIEW



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

### General Information

|                          |                                                                |
|--------------------------|----------------------------------------------------------------|
| Series                   | A50                                                            |
| Dielectric               | Metallized Polyester                                           |
| Style                    | Axial                                                          |
| Features                 | Automotive Grade                                               |
| RoHS                     | Yes                                                            |
| Lead                     | Wire Leads                                                     |
| Qualifications           | AEC-Q200                                                       |
| AEC-Q200                 | Yes                                                            |
| Typical Component Weight | 5.6 g                                                          |
| Miscellaneous            | Above 85C DC And AC Voltage Derating Is 1.25%/C. maxKO = 1300. |

### Dimensions

|    |               |
|----|---------------|
| D  | 18.5mm MAX    |
| L  | 33mm MAX      |
| LL | 40mm +/-5mm   |
| F  | 1mm +/-0.05mm |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 150       |

### Specifications

|                       |                           |
|-----------------------|---------------------------|
| Capacitance           | 6.8 uF                    |
| Tolerance             | 10%                       |
| Voltage DC            | 250 VDC, 187.5 VDC (105C) |
| Voltage AC            | 160 VAC                   |
| Temperature Range     | -55/+105°C                |
| Rated Temperature     | 85°C                      |
| Dissipation Factor    | 0.8% 1kHz, 1.2% 10kHz     |
| Insulation Resistance | 1.4706 GOhms              |
| Max dV/dt             | 2.5 V/us                  |
| Inductance            | 7 nH                      |

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