

## A50IH3100AA60J

Aliases (50IH3100AA60J)

A50, Film, Metallized Polyester, Automotive Grade, 0.1 uF, 5%, 160 VAC, 250 VDC, 85°C

### FRONT VIEW



### SIDE VIEW



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

#### Dimensions

|    |                 |
|----|-----------------|
| D  | 5.5mm MAX       |
| L  | 14mm MAX        |
| LL | 40mm +/-5mm     |
| F  | 0.6mm +/-0.05mm |

#### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 2000      |

#### General Information

|                  |  |
|------------------|--|
| Series           | A50  |
| Dielectric       | Metallized Polyester   |
| Style            | Axial  |
| Features         | Automotive Grade   |
| RoHS             | Yes  |
| Lead             | Wire Leads   |
| Qualifications   | AEC-Q200   |
| AEC-Q200         | Yes  |
| Component Weight | 0.6 g  |
| Miscellaneous    | Above 85C DC And AC Voltage Derating Is 1.25%/C. maxK0 = 5000. |

#### Specifications

|                       |                           |
|-----------------------|---------------------------|
| Capacitance           | 0.1 uF                    |
| Capacitance Tolerance | 5%                        |
| Voltage AC            | 160 VAC                   |
| Voltage DC            | 250 VDC, 187.5 VDC (105C) |
| Temperature Range     | -55/+105°C                |
| Rated Temperature     | 85°C                      |
| Dissipation Factor    | 0.8% 1kHz, 1.2% 10kHz     |
| Insulation Resistance | 30 GOhms                  |
| Max dV/dt             | 10 V/us                   |
| Inductance            | 7 nH                      |