# 559/560 Series Fuse Blocks for TE5/TR5 Type Fuses





# **Additional Information**







Resources 559 Series



Samples . 559 Series





Accessories 560 Series



### **Agency Approvals**

| Agency    | Agency File Number |            |  |
|-----------|--------------------|------------|--|
|           | 559 Series         | 560 Series |  |
|           | N/A                | 40041024   |  |
| <b>71</b> | N/A                | E14721     |  |

#### **Product Characteristics**

|                          | 559 Series (Lead Free)                          | 560 Series                          |  |
|--------------------------|---|-------------------------------------|--|
| Compatible<br>Fuses      | TR5/TE5   | TR5/TE5                             |  |
| Materials                | <b>Holder:</b> Black<br>Thermoplastic, UL94 V-0 | Holder: Thermoplastic,<br>UL 94 V-0 |  |
|                          | Metal Parts: Copper alloy; solderable tinned    |                                     |  |
| Electrical Data          | Rated Voltage: 250V                             |                                     |  |
| (23°C)                   | Max. Current/Power: 6.3 A /1.6 W                |                                     |  |
| Mounting                 | PC Board, 7.18 mm pin spacing                   | PC Board, 5.08 mm pin spacing       |  |
| Solderability            | max. 260 °C, 10 s (Wave)                        |                                     |  |
| Minimum<br>Cross Section | Conducting path - 0.1 mm <sup>2</sup>           |                                     |  |
| Unit Weight              | 0.63 g  | 0.4 g                               |  |
| Ambient<br>Temperature   | -40 °C to +85 °C                                |                                     |  |

#### **Ordering Information**

| Ordering Number | "A" Height Options | Packaging     |
|-----------------|--------------------|---------------|
| 5590000001      | 6.5 mm (code 0001) | 1000 Pcs Bulk |
| 55900008011     | 10 mm (code 8011)  | 100 Pcs Bulk  |
| 5600001319      | 3.0 mm (code 1319) | 500 Pcs Bulk  |
| 5600001009      | 4.3 mm (code 1009) | 500 Pcs Bulk  |
| 56000001019     | 4.3 mm (code 1019) | 1000 Pcs Bulk |

#### **Dimensions** (Units in mm)

0.5

1±0.1

#### **559 Series**





560 Series







## **Soldering Parameters - Wave Soldering**

### **Recommended Process Parameters:**

| Wave Parameter                                       | Lead-Free Recommendation          |
|--|-----------------------------------|
| Preheat:<br>(Depends on Flux Activation Temperature) | (Typical Industry Recommendation) |
| Temperature Minimum:                                 | 100° C                            |
| Temperature Maximum:                                 | 150° C                            |
| Preheat Time:  | 60-180 seconds                    |
| Solder Pot Temperature:                              | 280° C Maximum                    |
| Solder Dwell Time:                                   | 2-5 seconds                       |

**Recommended Hand-Solder Parameters:** 

Solder Iron Temperature: 350° C +/- 5°C Heating Time: 5 seconds max.

Note: These devices are not recommended for IR or Convection Reflow process.

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