

# 562/564 Series

## Circuit Board Mount Blocks for TE5/TR5 Type Fuses



562 Series Holder

564 Series Holder

### Product Characteristics

|                               | 562 Series   | 564 Series                              |
|-------------------------------|--|---|
| <b>Compatible Fuses</b>       | TR5/TE5  |   |
| <b>Materials</b>              | Block: Black Thermoplastic, UL94 V-0 PET<br>Terminals: Copper alloy; solderable tinned |   |
| <b>Electrical Data (23°C)</b> | Rated Voltage: 250V<br>Max. Current/Power: 6.3A/1.6W                                   |   |
| <b>Mounting</b>               | PC Board,<br>5.08mm pin spacing  | PC Board,<br>5.08mm pad spacing         |
| <b>Minimum Cross Section</b>  | Conducting path -<br>0.1mm <sup>2</sup>  | Conducting path -<br>0.1mm <sup>2</sup> |
| <b>Unit Weight</b>            | 0.12g  | 0.44g                                   |
| <b>Ambient Temperature</b>    | - 40°C to + 85°C   |   |

### Ordering Information

| Ordering Number | Circuit Board Mounting | Packaging         |
|-----------------|------------------------|-------------------|
| 56200001009     | Thru-Hole              | 1000 (Bulk pack)  |
| 56400001009     | Surface Mount          | 1500 (Tape /Reel) |

### Agency Approvals

| Agency | Agency File Number |            |
|--------|--------------------|------------|
|        | 562 Series         | 564 Series |
|        | E14721             | E14721     |

### Additional Information



Resources  
562 Series



Accessories  
562 Series



Samples  
562 Series



Resources  
564 Series



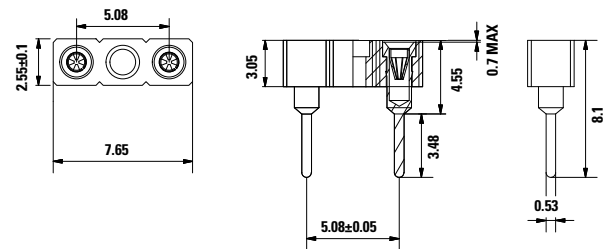
Accessories  
564 Series



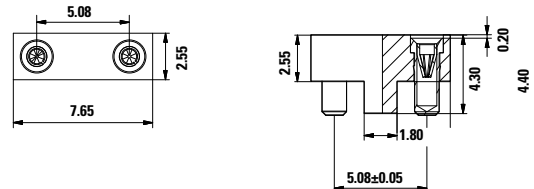
Samples  
564 Series

### Dimensions units in mm

#### 562 Series Holder



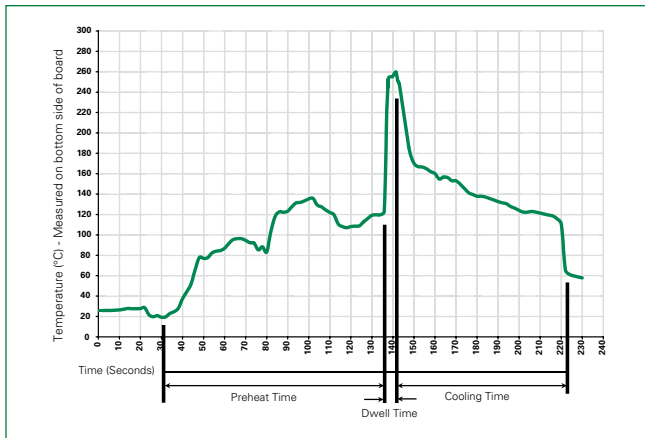
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### Soldering Parameters - Wave Soldering



#### 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:                              | 260°C Maximum                     |
| Solder Dwell Time:                                   | 2-5 seconds                       |

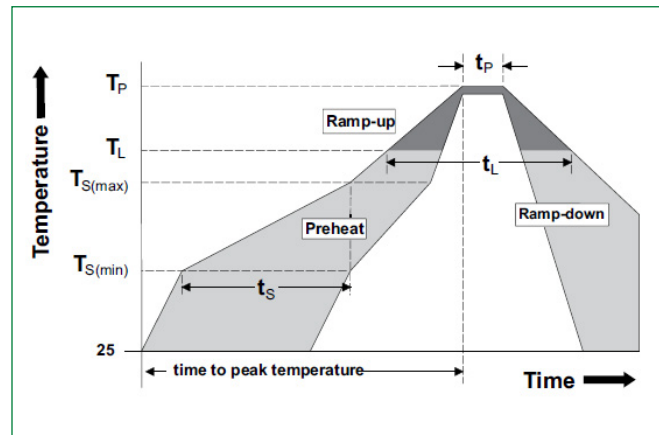
#### Recommended Hand-Solder Parameters:

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

**Note:** These devices are not recommended for IR and Convection Reflow process

### Soldering Parameters - Reflow Soldering

|  |                                    |                  |
|--|------------------------------------|------------------|
| <b>Reflow Condition</b>  | Pb - Free assembly                 |                  |
| <b>Number of allowed reflow cycles</b>                                 | 3                                  |                  |
| <b>Pre Heat</b>  | -Temperature Min ( $T_{s(min)}$ )  | 150°C            |
|  | -Temperature Max ( $T_{s(max)}$ )  | 200°C            |
|  | -Time (Min to Max) ( $t_p$ )       | 60 - 120 Secs.   |
| <b>Average ramp up rate (Liquidus Temp (<math>T_L</math>) to peak)</b> | 5°C/second max.                    |                  |
| <b><math>T_{s(max)}</math> to <math>T_L</math> - Ramp-up Rate</b>      | 5°C/second max.                    |                  |
| <b>Reflow</b>  | - Temperature ( $T_L$ ) (Liquidus) | 217°C            |
|  | -Temperature ( $t_l$ )             | 60 - 150 seconds |
| <b>Peak Temperature (<math>T_p</math>)</b>                             | 240 <sup>+/-5</sup> °C             |                  |
| <b>Time within 50C of actual peak Temperature (<math>t_p</math>)</b>   | 30 secs. max.                      |                  |
| <b>Ramp-down Rate</b>  | 5°C/second max.                    |                  |
| <b>Time 25°C to peak Temperature (<math>T_p</math>)</b>                | 8 minutes max.                     |                  |
| <b>Do not exceed</b>   | 245°C                              |                  |



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