

Surface Mount Fuse, 7.4 x 3.1 mm, Time-Lag T, 125 VAC, 125 VDC



UL 248-14 · 125VAC · 125VDC · Time-Lag T



Description

- Directly solderable on printed circuit boards

Standards

- UL 248-14
- CSA C22.2 no. 248.14

Approvals

- UL File Number: E41599


References

- [General Product Information](#)
- Time-Current Curves see last page
- Corresponding Fuseholder [OMH 125](#)
- Assembled Fuseholder [OMZ 125](#)
- [Packaging Details](#)

Weblinks

- [Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check](#)

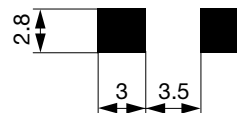
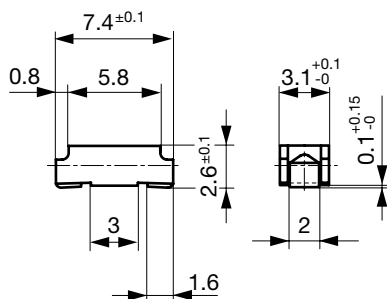
Technical Data

| | |
|------------------------------|---|
| Rated Voltage | 125VAC, 125VDC |
| Rated Current | 0.25 - 5A |
| Breaking Capacity | 100A |
| Characteristic | Time-Lag T |
| Mounting | PCB,SMT |
| Admissible Ambient Air Temp. | -55 °C to 125 °C |
| Climatic Category | 55/125/21 acc. to IEC 60068-1 |
| Material: Housing | Thermoplastic, UL 94V-0 |
| Material: Terminals | Tin-Plated Copper Alloy |
| Unit Weight | 0.08 g |
| Storage Conditions | 0 °C to 60 °C, max. 70% r.h. |
| Product Marking |  Type, Current Rating, Approvals |

| | |
|------------------------------|--|
| Soldering Methods | Reflow, Wave |
| Solderability | 245 °C / 3 sec acc. to IEC 60068-2-58, Test Td |
| Resistance to Soldering Heat | 260 °C / 10 sec acc. to IEC 60068-2-58, Test Td |
| Moisture Resistance Test | MIL-STD-202, Method 106E (50 cycles in a temp./mister chamber) |
| Terminal Strength | MIL-STD-202, Method 211A (Deflection of board 1 mm for 1 minute) |
| Case Resistance | acc. to EIA/IS-722, Test 4.7 >100 MΩ (between leads and body) |
| Mechanical Shock | MIL-STD-202, Method 213B (Shock 50gn, half sine wave, 11 ms) |
| Resistance to Solvents | MIL-STD-202, Method 215A |
| Flammability | min. UL 94V-1 (acc. to EIA/IS-722, Test 4.12) |

Dimensions

Length  7.4 mm




Solder pads

Pre-Arcing Time

| Rated Current I _n | 1.0 x I _n min. | 2.0 x I _n max. | 8.0 x I _n min. | 8.0 x I _n max. |
|------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| 0.25 A - 0.375 A | 4 h | 60 s | 2 ms | 30 ms |
| 0.5 A - 6.3 A | 4 h | 60 s | 5 ms | 100 ms |

Variants

| Rated Current [A] | Rated Voltage [VAC] | Rated Voltage [VDC] | Breaking Capacity | Voltage Drop 1.0 I _n typ. [mV] | Power Dissipation 1.0 I _n typ. [mW] | Melting I ² t 8.0 In typ. [A ² s] |  | | Order Number |
|-------------------|---------------------|---------------------|-------------------|---|--|---|---|---|--------------|
| 0.25 | 125 | 125 | 1) | 142 | 35.5 | 0.02 | ● | ● | 3404.0110.xx |
| 0.375 | 125 | 125 | 1) | 123 | 46.1 | 0.054 | ● | ● | 3404.0111.xx |
| 0.5 | 125 | 125 | 1) | 95 | 47.5 | 0.16 | ● | ● | 3404.0112.xx |
| 0.75 | 125 | 125 | 1) | 92 | 69 | 0.43 | ● | ● | 3404.0113.xx |
| 1 | 125 | 125 | 1) | 88 | 88 | 0.77 | ● | ● | 3404.0114.xx |
| 1.5 | 125 | 125 | 1) | 82 | 123 | 1.73 | ● | ● | 3404.0115.xx |
| 2 | 125 | 125 | 1) | 75 | 150 | 3.58 | ● | ● | 3404.0116.xx |
| 2.5 | 125 | 125 | 1) | 137 | 343 | 5.6 | ● | ● | 3404.0117.xx |
| 3 | 125 | 125 | 1) | 128 | 384 | 8.06 | ● | ● | 3404.0118.xx |
| 3.5 | 125 | 125 | 1) | 119 | 417 | 11.76 | ● | ● | 3404.0119.xx |
| 4 | 125 | 125 | 1) | 77 | 308 | 12.3 | ● | ● | 3404.0120.xx |
| 5 | 125 | 125 | 1) | 79 | 395 | 20.8 | ● | ● | 3404.0121.xx |
| 6.3 | 125 | 125 | 1) | 82 | 516 | 25.4 | ● | ● | 3404.0122.xx |

1) 100 A @ 125 VAC , p.f. ≥ 0.95 / 100 A @ 125 VDC

Packaging Unit

- .xx = .11 Plastic Bag (100 pcs.)
- .xx = .22 Blister Tape 18 cm Reel (750 pcs.)
- .xx = .24 Blister Tape 33 cm Reel (3000 pcs.)

Time-Current Curves

