

Axial Lead and Cartridge Fuses

Subminiature

RoHS LT-5™ Time Lag Extended Breaking Capacity Fuse 664 Series



- Similar to the 663 fuse, this fuse is designed with a higher breaking capacity.
- Meets IEC 60127-3/4 specifications (up to 6.3A).
- Available in short and long lead variations.

ELECTRICAL CHARACTERISTICS:

| % of Ampere Rating | Ampere Rating | Time |
|--------------------|---------------|--|
| 150% | 800mA-6.3A | 1 hour Min. |
| 210% | 800mA-6.3A | 2 minutes, Maximum |
| 275% | 800mA-6.3A | .4 sec Min. ; 10 seconds Maximum |
| 400% | 800mA-6.3A | .1 sec Min. ; 3 seconds Maximum |
| 1000% | 800mA-6.3A | .02 sec Min. .15 seconds Maximum |
| 100% | 8-10A | 4 hours, Min. |
| 200% | 8-10A | 60 seconds, Maximum |

AGENCY APPROVALS: IEC 60127-3/4: VDE and Semko approved from 800mA to 4A. Recognized under the components program of Underwriters Laboratories and recognized by CSA from 800mA to 6.3A. Approved by KTL from 800mA to 6.3A. Approved by METI and CCC from 1 to 4A. Listed by the Underwriters Laboratories for 8 and 10A ratings.

INTERRUPTING RATINGS: 100A at 250 VAC.

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature: -40°C to +85°C.

Case Resistance: Min 100 Mohms, according to EIA/IS-722, 4.7

Vibration: 20gn, 20 min, 10Hz to 2,000Hz, 12 cycles according to EIA/IS-722, 4.10 (Frequency range 10-2000Hz, cross-over frequency 60 Hz according to IEC 60068-2-6, test Fc)

Mechanical Shock: 50g, half sine wave, 11ms, 3 times each direction according to IEC 60068-2-27.

Resistance to Cleaning Solvents: Clean according to EIA/IS-722, 4.11

Resistance to Soldering Heat: 10 sec. At 260°C to IEC 60068-2-20, test Tb

Terminal Strength: Tensile load min. 9N, according to EIA/IS-722, 4.5.5

PHYSICAL SPECIFICATIONS:

Materials: Temperature Resistant Body, UL 94V-0; Sn Coated Copper Wire Terminals.

Solderability: IEC 60068-2-20, test Ta

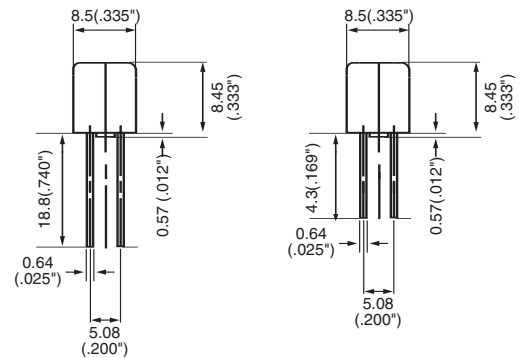
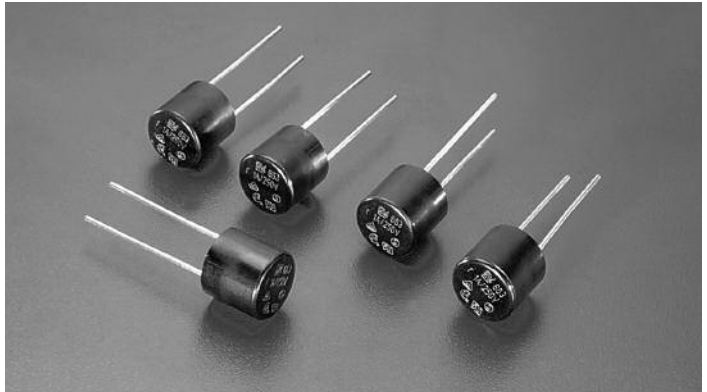
Soldering Parameters: Wave Solder – 235°C, 2 seconds maximum.

PACKAGING:

Please refer to the following suffixes when ordering:

- 100 Piece Bulk: Short Leads use suffix HXSL;
Long Leads use suffix HXLL
- 750 Piece Tape and Reel per IEC 286-2:
(Long Leads only) use suffix ZRLL
- 1000 Piece Ammo Pack use suffix MALL

PATENTED



ORDERING INFORMATION:

| Catalog Number | Ampere Rating | Voltage Rating | Nominal Resistance Cold mOhms | Nominal Melting I ² t A ² Sec |
|----------------|---------------|----------------|-------------------------------|---|
| 0664.800 | .800 | 250 | 168 | 2.2 |
| 0664 001. | 1.00 | 250 | 123 | 4.4 |
| 0664 1.25 | 1.25 | 250 | 85 | 6.3 |
| 0664 01.6 | 1.60 | 250 | 60 | 10 |
| 0664 002. | 2.00 | 250 | 39 | 16 |
| 0664 02.5 | 2.50 | 250 | 30 | 32 |
| 0664 3.15 | 3.15 | 250 | 20 | 57 |
| 0664 004. | 4.00 | 250 | 17 | 77 |
| 0664 005. | 5.00 | 250 | 11 | 155 |
| 0664 06.3 | 6.30 | 250 | 9 | 262 |
| 0664 008. | 8.00 | 250 | 7 | 397 |
| 0664 010. | 10.00 | 250 | 6 | 440 |

Refer to page 342 for LT-5™ holder information.

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AGENCY APPROVALS: IEC 60127-3/4: VDE approved through 4A. Recognized under the components program of Underwriters Laboratories and recognized by CSA through 6.3A. Approved CCC to 3.15A. Approved by METI and KTL from 1-4A.

INTERRUPTING RATINGS:

| | |
|-------------|------------------------------------|
| 0.050-3.15A | 35 amperes at 250VAC |
| | 50 amperes at 125 VDC |
| 4-6.3A | 10x rated current at 250VAC |
| | 50A or 10x rated current at 125VDC |

ENVIRONMENTAL SPECIFICATIONS:

- Operating Temperature: -40°C to +85°C.
- Case Resistance: Min 100Mohms, according to EIA/IS-722, 4.7
- Vibration: IEC 68-2-6, test Fc (10-2000Hz); Cross-over frequency 60Hz
- Resistance to Cleaning Solvents: Clean according to EIA/IS-722, 4.11
- Resistance to Soldering Heat: 10 sec. At 260°C to IEC 60068-2-20, test Tb

PHYSICAL SPECIFICATIONS:

- Materials: Temperature Resistant Body, UL 94V-0; Sn Coated Copper Wire Terminals.
- Soldering Parameters: Wave Solder – 235°C, 2 seconds maximum.
- Solderability: IEC 60127-4 sub clause 8.7.1

PACKAGING:

- Please refer to the following suffixes when ordering:
- 100 Piece Bulk: Short Leads use suffix HXSL; Long Leads use suffix HXLL
- 750 Piece Tape and Reel per IEC 286-2: (Long Leads only) use suffix ZRLL
- 1000 Piece Ammo Pack use suffix MALL

Average Time Current Curves

