



**THE DATASHEET OF
0663001.MALL**



Axial Lead and Cartridge Fuses

Subminiature

LT-5™ Time Lag Fuse 663 Series



ELECTRICAL CHARACTERISTICS:

| % of Ampere Rating | Time |
|--------------------|--|
| 150% | 1 hour Min. |
| 210% | 2 minutes, Maximum |
| 275% | .4 sec Min. ; 10 seconds Max |
| 400% | .15 sec Min. ; 3 seconds Maximum |
| 1000% | .02 sec Min. .15 seconds Maximum |

AGENCY APPROVALS: IEC 60127-3/4: VDE approved 50mA to 6.3A. Semko approved from 50mA to 4A. Recognized under the Components Program of Underwriters Laboratories and recognized by CSA from 50mA to 6.3A. Approved by CCC from 1 to 4A. KTL approved from 50mA to 6.3A. Approved by METI from 1A to 4A.

INTERRUPTING RATINGS:

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

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

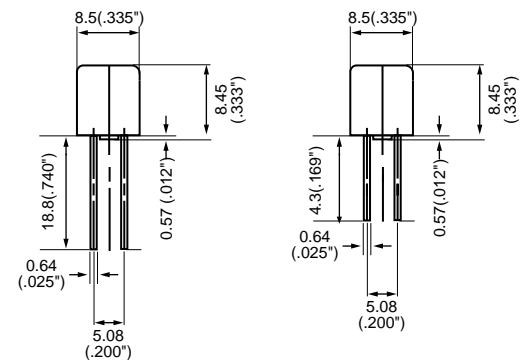
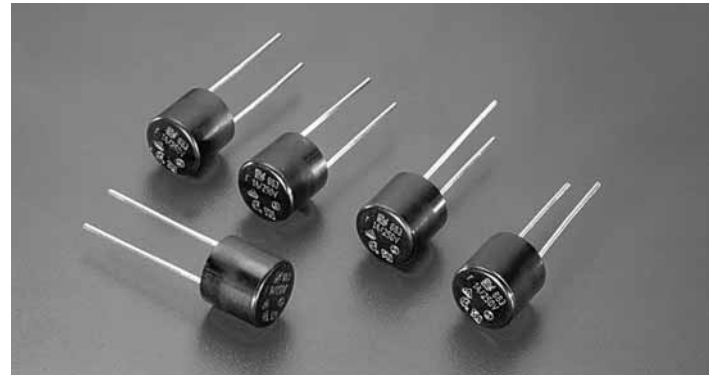
Soldering Parameters: Wave Solder – 235°C, 2 seconds maximum.

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 |
|----------------|---------------|----------------|-------------------------------|---|
| 0663.050 | .050 | 250 | 7573 | 0.03 |
| 0663.063 | .063 | 250 | 4490 | 0.05 |
| 0663.080 | .080 | 250 | 2648 | 0.06 |
| 0663.100 | .100 | 250 | 1994 | 0.08 |
| 0663.125 | .125 | 250 | 1241 | 0.12 |
| 0663.160 | .160 | 250 | 990 | 0.24 |
| 0663.200 | .200 | 250 | 718 | 0.35 |
| 0663.250 | .250 | 250 | 454 | 0.6 |
| 0663.315 | .315 | 250 | 326 | 0.8 |
| 0663.400 | .400 | 250 | 239 | 1.1 |
| 0663.500 | .500 | 250 | 187 | 2.5 |
| 0663.630 | .630 | 250 | 129 | 4 |
| 0663.800 | .800 | 250 | 99 | 8 |
| 0663.001. | 1.00 | 250 | 75 | 12 |
| 0663.1.25 | 1.25 | 250 | 50 | 15 |
| 0663.01.6 | 1.60 | 250 | 36 | 30 |
| 0663.002. | 2.00 | 250 | 27 | 34 |
| 0663.02.5 | 2.50 | 250 | 20 | 55 |
| 0663.3.15 | 3.15 | 250 | 17 | 76 |
| 0663.004. | 4.00 | 250 | 12 | 80 |
| 0663.005. | 5.00 | 250 | 9 | 230 |
| 0663.06.3 | 6.30 | 250 | 7 | 360 |

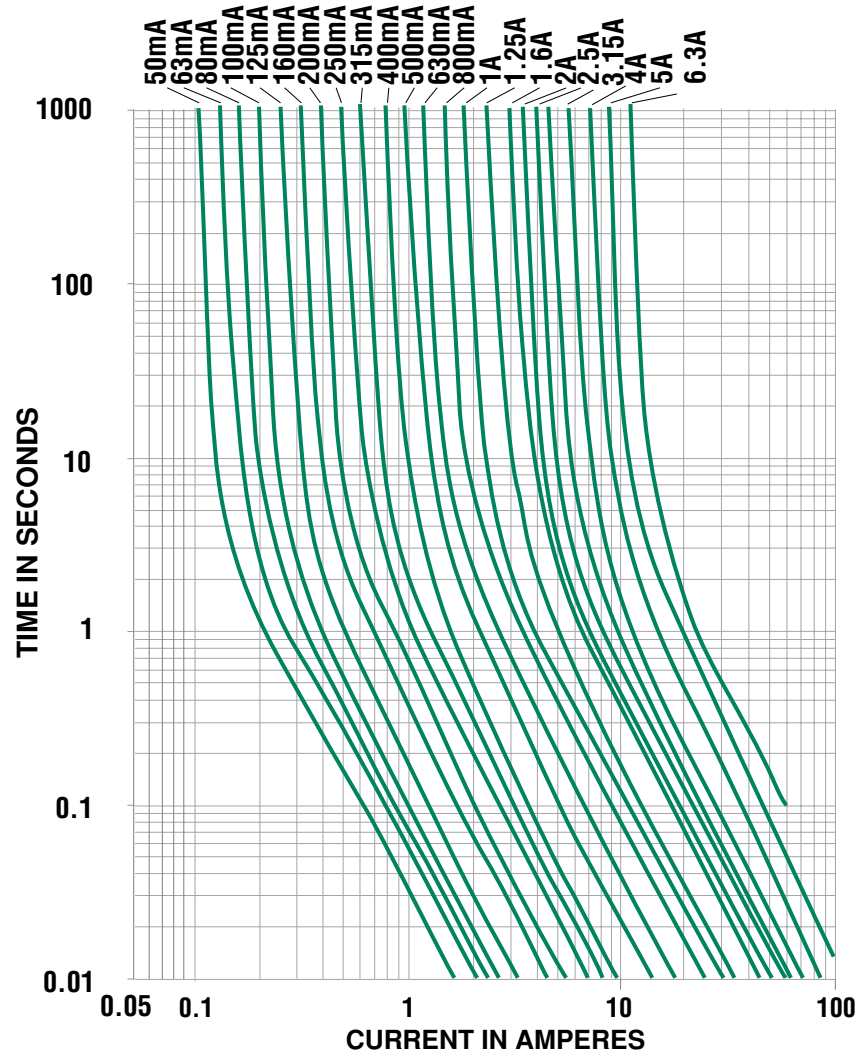
Refer to page 342 for LT-5™ holder information.

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Average Time Current Curves



Looking for pricing, stock, or lifecycle information?

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