

Axial Lead and Cartridge Fuses

Subminiature

RoHS **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

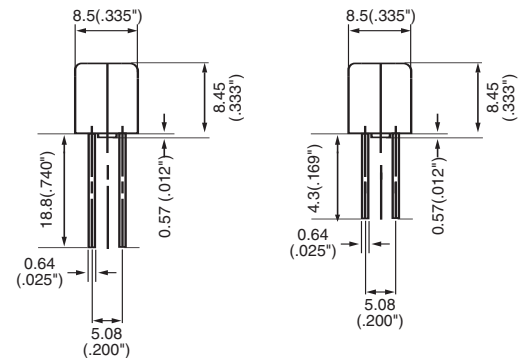
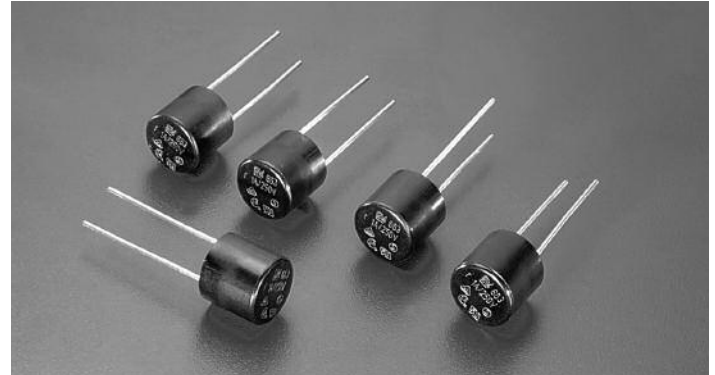
Soldering Parameters: Wave Solder – 235°C, 2 seconds maximum.

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.

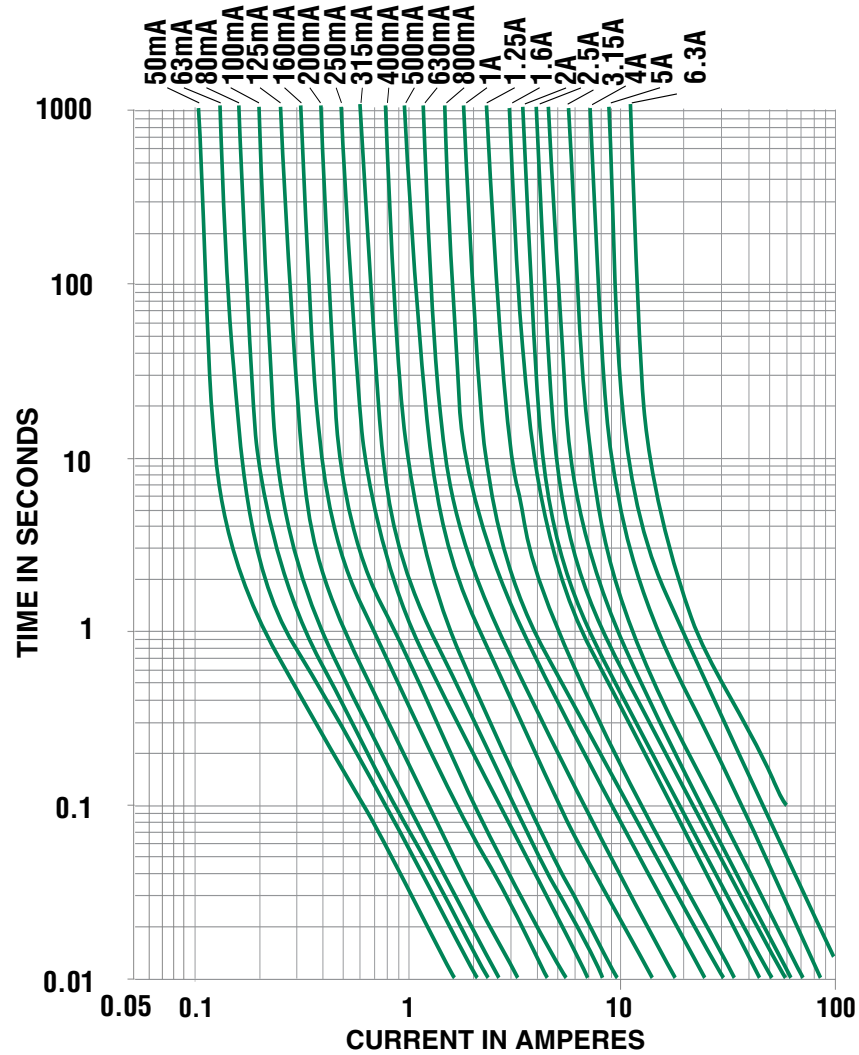
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Average Time Current Curves



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Littelfuse:

0663005.ZRLL	066302.5ZRLL	0663.080MALL	06631.25ZRLL	0663.315HXSL	0663.400HXSL	0663.800HXSL
0663.630HXLL	0663.500ZRLL	0663002.ZRLL	0663002.MALL	0663.250HXLL	0663004.HXLL	0663.200MALL
0663002.HXLL	0663005.HXLL	0663.315HXLL	0663.050HXSL	0663.063HXSL	0663001.HXLL	066302.5HXLL
0663.630MALL	0663004.HXSL	0663.400ZRLL	0663.200ZRLL	0663.100HXSL	06631.25HXSL	0663.160HXLL
06633.15HXLL	0663001.HXSL	0663.500HXLL	0663.050HXLL	0663.125ZRLL	0663.500HXSL	0663.160MALL
066306.3ZRLL	06631.25MALL	066301.6MALL	06633.15ZRLL	0663.125HXSL	0663.063	0663.800
0663.250ZRLL	0663.400MALL	0663.500MALL	0663005.MALL	0663.080ZRLL	0663004.ZRLL	0663.630HXSL
066301.6ZRLL	0663.200HXSL	0663.630ZRLL	0663.080HXSL	066302.5HXSL	0663001.ZRLL	0663.050MALL
0663.100MALL	0663.125HXLL	066306.3HXSL	0663.250MALL	06633.15MALL	0663.250HXSL	0663.050ZRLL
0663005.HXSL	06631.25HXLL	066306.3HXSL	0663.200HXLL	0663.800MALL	066301.6HXSL	0663.100HXLL
0663.400HXLL	0663002.HXSL	06633.15HXSL	0663.160ZRLL	066302.5MALL	0663.125MALL	0663.100ZRLL
0663.160HXSL	066301.6HXLL	066306.3MALL	0663.800ZRLL	0663.315MALL	0663001.MALL	0663.080HXLL
0663.063ZRLL	0663004.MALL	0663.063MALL				