

**TRADITIONAL SEMICONDUCTOR FUSES**

150/250/500/600/700 VAC • Very Fast-Acting • 1-1200 A



**Specifications**

**Voltage Ratings**

- L15S: 150 VAC/DC (1 – 60 A)  
150 VAC (70 – 1000 A)  
100 VDC (70 – 1000 A)
- L25S: 250 VAC/DC (1 – 200 A)  
250 VAC (225 – 800 A)  
200 VDC (225 – 800 A)
- L50S: 500 VAC/450 VDC
- L60S: 600 VAC
- KLC: 600 VAC
- L70S: 700 VAC/650 VDC

L25S series fuses are Littelfuse Certified for DC ratings shown in Rating Table.

**Interrupting Rating**

- AC: 200 kA rms  
(L15S series 100 kA)
- DC: 20 kA

**Ampere Range** 1 – 1200 A See Rating Table for ratings available in each series.

**Approvals** UL Recognized (File No. E71611)  
CSA Recognized (File No. LR29862)

**Recommended Fuse Holders**

- 1LFS101/1LFS102 ..... 121
- LSCR001/LSCR002 ..... 120

**Web Resources**

For additional information, visit:  
[www.littelfuse.com/semi](http://www.littelfuse.com/semi)

AMPERE RATINGS	SERIES & VOLTAGE RATINGS					
	L15S 150 VAC 150 VDC (1 – 60 A) 100 VDC (70 – 1000 A)	L25S 250 VAC 250 VDC (1 – 200 A) 200 VDC (225 – 800 A)	L50S 500 VAC 450 VDC	L60S 600 VAC	KLC‡ 600 VAC	L70S 700 VAC 650 VDC
1	L15S 1	L25S 1	–	L60S 1	KLC 1	–
2	L15S 2	L25S 2	–	L60S 2	KLC 2	–
3	L15S 3	L25S 3	–	L60S 3	KLC 3	–
4	L15S 4	L25S 4	–	L60S 4	KLC 4	–
5	L15S 5	L25S 5	–	L60S 5	KLC 5	–
6	L15S 6	L25S 6	–	L60S 6	KLC 6	–
7	L15S 7	–	–	–	KLC 7	–
8	L15S 8	L25S 8	–	L60S 8	KLC 8	–
9	L15S 9	–	–	–	–	–
10	L15S 10	L25S 10	L50S 10	L60S 10	KLC 10	L70S 10
12	L15S 12	L25S 12	L50S 12	L60S 12	KLC 12	–
15	L15S 15	L25S 15	L50S 15	L60S 15	KLC 15	L70S 15
17½	–	–	–	L60S 17½	KLC 17½	–
20	L15S 20	L25S 20	L50S 20	L60S 20	KLC 20	L70S 20
25	L15S 25	L25S 25	L50S 25	L60S 25	KLC 25	L70S 25
30	L15S 30	L25S 30	L50S 30	L60S 30	KLC 30	L70S 30
35	L15S 35	L25S 35	L50S 35	L60S 35	KLC 35	L70S 35
40	L15S 40	L25S 40	L50S 40	L60S 40	KLC 40	L70S 40
45	L15S 45	L25S 45	–	L60S 45	KLC 45	–
50	L15S 50	L25S 50	L50S 50	L60S 50	KLC 50	L70S 50
60	L15S 60	L25S 60	L50S 60	L60S 60	KLC 60	L70S 60
70	L15S 70	L25S 70	L50S 70	L60S 70	KLC 70	L70S 70
80	L15S 80	L25S 80	L50S 80	L60S 80	KLC 80	L70S 80
90	L15S 90	L25S 90	L50S 90	L60S 90	KLC 90	L70S 90
100	L15S 100	L25S 100	L50S 100	L60S 100	KLC 100	L70S 100
110	–	–	–	–	KLC 110	–
125	L15S 125	L25S 125	L50S 125	L60S 125	KLC 125	L70S 125
150	L15S 150	L25S 150	L50S 150	L60S 150	KLC 150	L70S 150
175	–	L25S 175	L50S 175	L60S 175	KLC 175	L70S 175
200	L15S 200	L25S 200	L50S 200	L60S 200	KLC 200	L70S 200
225	–	L25S 225	L50S 225	L60S 225	KLC 225	L70S 225
250	L15S 250	L25S 250	L50S 250	L60S 250	KLC 250	L70S 250
275	–	L25S 275	L50S 275	–	–	–
300	L15S 300	L25S 300	L50S 300	L60S 300	KLC 300	L70S 300
350	L15S 350	L25S 350	L50S 350	L60S 350	KLC 350	L70S 350
400	L15S 400	L25S 400	L50S 400	L60S 400	KLC 400	L70S 400
450	L15S 450	L25S 450	L50S 450	L60S 450	KLC 450	L70S 450
500	L15S 500	L25S 500	L50S 500	L60S 500	KLC 500	L70S 500
550	–	–	L50S 550	–	–	–
600	L15S 600	L25S 600	L50S 600	L60S 600	KLC 600	L70S 600
700	–	L25S 700	L50S 700	L60S 700	KLC 700	L70S 700
800	L15S 800	L25S 800	L50S 800	L60S 800	KLC 800	L70S 800
900	–	–	LA50P9004	–	–	LA70P9004
1000	L15S 1000	–	LA50P10004	–	–	LA70P10004
1200	–	–	LA50P12004	–	–	LA70P12004

‡ KLC series fuses are recommended for replacement use only.

# TRADITIONAL SEMICONDUCTOR FUSES

## Dimensions



AMPERE RATING	FIG. NO.	DIMENSIONS INCHES (mm)							
		A	B	C	D	E	F	G	H

### L15S Series, 150 VAC

1 - 30	1	1½ (38.1)	—	¾ (9.5)	13/32 (10.3)	—	—	—	—
31 - 60	1	2 (50.8)	—	5/8 (15.9)	13/16 (20.6)	—	—	—	—
61 - 450	3	1½3/2 (29.4)	1⅞ (47.6)	2¾ (55.6)	221/32 (67.5)	1 (25.4)	43/64 (17.1)	5/16 (7.9)	3/16 (4.8)
451 - 1000	3	1¼ (31.8)	15/16 (49.2)	29/16 (65.1)	3½ (88.9)	1½ (38.1)	1 (25.4)	13/32 (10.3)	¼ (6.4)

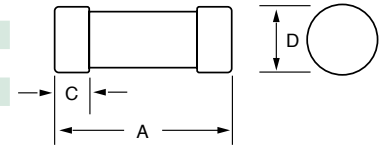


Fig 1

### L25S Series, 250 VAC

1 - 30	1	2 (50.8)	—	½ (12.7)	9/16 (14.3)	—	—	—	—
31 - 60	2	1⅞ (41.3)	2¼ (57.2)	2½ (63.5)	33/16 (81.0)	13/16 (20.6)	23/32 (18.3)	11/32 (8.7)	1/8 (3.2)
61 - 200	3	1⅞ (41.3)	25/16 (58.7)	27/16 (61.9)	35/8 (79.4)	17/32 (31.0)	1 (25.4)	5/16 (7.9)	3/16 (4.8)
201 - 700	3	119/32 (40.5)	29/32 (57.9)	229/32 (73.8)	327/32 (97.6)	1½ (38.1)	1 (25.4)	13/32 (10.3)	¼ (6.4)
701 - 800	3	119/32 (40.5)	29/32 (57.9)	229/32 (73.8)	327/32 (97.6)	2 (50.8)	1½ (38.1)	13/32 (10.3)	¼ (6.4)

### L50S Series, 500 VAC / 450 VDC

10 - 30	1	2 (50.8)	—	½ (12.7)	9/16 (14.3)	—	—	—	—
31 - 60	2	1⅞ (41.3)	2¼ (57.2)	2½ (63.5)	33/16 (81.0)	13/16 (20.6)	23/32 (18.3)	11/32 (8.7)	1/8 (3.2)
61 - 100	3	2⅞ (54.0)	211/16 (68.3)	3 (76.2)	35/8 (92.1)	1 (25.4)	3/4 (19.1)	11/32 (8.7)	1/8 (3.2)
101 - 200	3	2⅞ (54.0)	211/16 (71.4)	215/16 (74.6)	35/8 (92.1)	17/32 (31.0)	1 (25.4)	5/16 (7.9)	3/16 (4.8)
201 - 400	3	23/32 (53.2)	225/32 (70.6)	313/32 (86.5)	411/32 (110.3)	1½ (38.1)	1 (25.4)	13/32 (10.3)	¼ (6.4)
401 - 600	3	27/32 (56.4)	229/32 (73.8)	317/32 (89.7)	415/32 (113.5)	2 (50.8)	1½ (38.1)	13/32 (10.3)	¼ (6.4)
601 - 800	3	27/32 (56.4)	49/32 (108.7)	45/8 (117.5)	615/32 (164.3)	2½ (63.5)	2 (50.8)	17/32 (13.5)	3/8 (9.5)

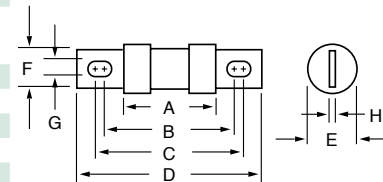


Fig 2

### L60S Series, 600 VAC

1 - 30	1	5 (127.0)	—	5/8 (15.9)	13/16 (20.6)	—	—	—	—
31 - 60	2	225/32 (70.6)	37/16 (87.3)	311/16 (93.7)	43/8 (111.1)	13/16 (20.6)	23/32 (18.3)	11/32 (8.7)	1/8 (3.2)
61 - 100	2	229/32 (73.8)	317/32 (89.7)	325/32 (96.0)	415/32 (113.5)	11/16 (27.0)	23/32 (18.3)	11/32 (8.7)	1/8 (3.2)
101 - 200	2	229/32 (73.8)	39/16 (90.5)	3¾ (95.3)	413/32 (111.9)	15/16 (33.3)	1 (25.4)	5/16 (7.9)	3/16 (4.8)
201 - 400	2	229/32 (73.8)	331/32 (100.8)	45/32 (105.6)	5½ (130.2)	137/64 (40.1)	1 (25.4)	13/32 (10.3)	¼ (6.4)
401 - 600	2	27/8 (73.0)	331/32 (100.8)	49/64 (105.2)	5½ (130.2)	21/16 (52.8)	1½ (38.1)	13/32 (10.3)	¼ (6.4)
601 - 800	2	3½ (77.0)	55/32 (133.4)	513/32 (135.7)	7¼ (184.2)	2½ (63.5)	2 (50.8)	17/32 (13.5)	3/8 (9.5)

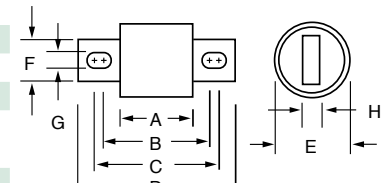


Fig 3

### L70S Series, 700 VAC / 600 VDC

10 - 30	1	2 (50.8)	—	½ (12.7)	9/16 (14.3)	—	—	—	—
31 - 60	3	27/8 (73.0)	37/16 (87.3)	325/32 (96.0)	43/8 (111.1)	1 (25.4)	43/64 (17.1)	11/32 (8.7)	1/8 (3.2)
61 - 100	3	27/8 (73.0)	39/16 (90.5)	311/16 (93.7)	43/8 (111.1)	17/32 (31.0)	29/32 (22.9)	5/16 (7.9)	3/16 (4.8)
101 - 200	3	227/32 (72.2)	317/32 (89.7)	45/32 (105.6)	53/32 (129.4)	1½ (38.1)	1 (25.4)	13/32 (10.3)	¼ (6.4)
201 - 400	3	227/32 (72.2)	317/32 (89.7)	45/32 (105.6)	53/32 (129.4)	2 (50.8)	1½ (38.1)	13/32 (10.3)	¼ (6.4)
401 - 600	3	227/32 (72.2)	429/32 (124.6)	5¼ (133.4)	73/32 (180.2)	2½ (63.5)	2 (50.8)	17/32 (13.5)	3/8 (9.5)
601 - 800	4	35/16 (84.1)	55/16 (134.9)	613/16 (173.0)	—	27/8 (73.0)	2 (50.8)	5/8 (15.9)	H: 3/8 (9.5) J: 9/16 (7.9)

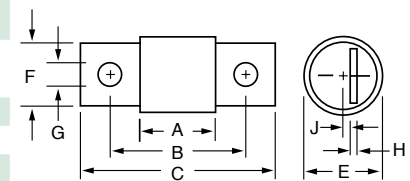


Fig 4

### KLC Series, 600 VAC

1 - 30	2	1⅞ (47.6)	2½ (63.5)	—	27/8 (73.0)	9/16 (14.3)	13/32 (10.3)	¼ (6.4)	3/64 (1.2)
31 - 60	2	23/4 (69.9)	33/8 (85.7)	35/8 (92.1)	45/16 (109.5)	13/16 (20.6)	23/32 (18.3)	11/32 (8.7)	1/8 (3.2)
61 - 100	3	27/8 (73.0)	321/32 (92.9)	41/16 (103.2)	5 (127.0)	1 (25.4)	3/4 (19.1)	13/32 (10.3)	1/8 (3.2)
101 - 200	3	227/32 (72.2)	317/32 (89.7)	43/8 (111.1)	53/32 (129.4)	1½ (38.1)	1 (25.4)	13/32 (10.3)	¼ (6.4)
201 - 400	3	227/32 (72.2)	421/32 (118.3)	427/32 (123.0)	6¼ (158.8)	2 (50.8)	1⅞ (41.3)	9/16 (14.3)	¼ (6.4)
401 - 800	3	227/32 (72.2)	421/32 (118.3)	511/32 (135.7)	6¼ (158.8)	2½ (63.5)	2 (50.8)	9/16 (14.3)	3/8 (9.5)