

## LA70QS Semiconductor Fuses

700 VAC • Very Fast Acting • 35 – 800 Amperes



Littelfuse LA70QS semiconductor fuses were developed to provide improved performance required by today's new equipment. The LA70QS features lower  $I^2t$ , improved cycling, and lower watts loss. It is the best choice for the protection of dynamic solid-state equipment.

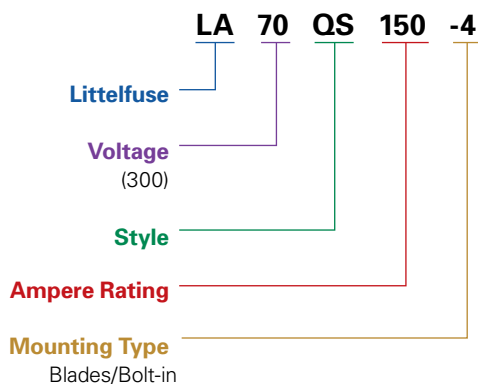
### Features

- Very low  $I^2t$  improved protection of equipment.
- Superior cycling ability for long, reliable life on high cycling loading.
- Lower watts loss for cooler operation.
- 700 Volt AC/DC rating provides greater design versatility.
- Compact sizes allow downsizing of equipment.

### Applications

Protection of 700 volt or less solid state equipment such as motor drives, UPS, inverters, etc.

### Ordering Information



### Specifications

- Voltage Rating:** AC: 700 Volts  
DC: 700 Volts
- Interrupting Rating:** AC: 200,000 Amperes  
DC: 100,000 Amperes
- Ampere Range:** 35 – 800 Amperes
- Approvals:** UL Recognized under the components program.  
CSA Certified.

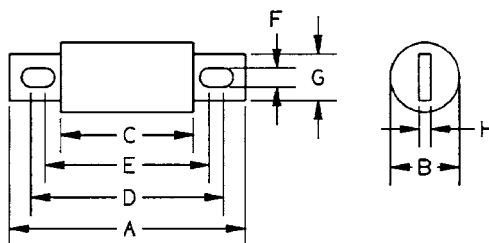
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### Catalog Numbers & Technical Data

Ampere Rating	Littelfuse Catalog Number	Mounting Type	Maximum Clearing I <sup>2</sup> t @700 VAC (A <sup>2</sup> S x 10 <sup>3</sup> )	Watts Loss @ Rated Current (W)
35	LA70QS35-4	4	0.47	6.2
40	LA70QS40-4	4	0.58	7.5
50	LA70QS50-4	4	0.88	9.8
60	LA70QS60-4	4	1.2	12
70	LA70QS70-4	4	1.8	15
80	LA70QS80-4	4	2.3	16
90	LA70QS90-4	4	3	20
100	LA70QS100-4	4	3.6	24
125	LA70QS125-4	4	6.9	22
125	LA70QS125-4K	4K	6.9	22
150	LA70QS150-4	4	11	28
150	LA70QS150-4K	4K	11	29
175	LA70QS175-4	4	14	35
175	LA70QS175-4K	4K	14	35

Ampere Rating	Littelfuse Catalog Number	Mounting Type	Maximum Clearing I <sup>2</sup> t @700 VAC (A <sup>2</sup> S x 10 <sup>3</sup> )	Watts Loss @ Rated Current (W)
200	LA70QS200-4	4	19	41
200	LA70QS200-4K	4	19	41
250	LA70QS250-4	4	42	42
300	LA70QS300-4	4	55	53
350	LA70QS350-4	4	72	64
400	LA70QS400-4	4	99	75
450	LA70QS450-4	4	125	75
450	LA70QS450-4K	4K	125	75
500	LA70QS500-4	4	150	92
500	LA70QS500-4K	4K	160	92
600	LA70QS600-4	4	222	116
600	LA70QS600-4K	4K	222	116
700	LA70QS700-4	4	332	125
800	LA70QS800-4	4	433	143



### Dimensions

Dimensions for reference only.

Amperes	Mount. Type	Dimensions in Inches (mm in parentheses)							
		A	B	C	D	E	F	G	H
35 – 100	4	4.38 (111)	1.00 (25.4)	2.88 (73)	3.69 (93.6)	3.50 (88.9)	0.31 (7.9)	0.75 (19.0)	0.13 (3.2)
125 – 200	4	4.38 (111)	1.22 (31.0)	2.88 (73)	3.69 (93.6)	3.56 (90.5)	0.31 (7.9)	1.00 (25.4)	0.19 (4.8)
125 – 200	4K	5.09 (129)	1.22 (31.0)	2.88 (73)	4.19 (106)	3.50 (88)	0.41 (10.3)	1.00 (25.4)	0.19 (4.8)
225 – 400	4	5.09 (129)	1.50 (38.1)	2.84 (72.2)	4.16 (106)	3.53 (89.7)	0.40 (10.3)	1.50 (38.1)	0.25 (6.4)
450 – 600	4	5.09 (129)	2.00 (50.8)	2.84 (72.2)	4.16 (106)	3.53 (89.7)	0.41 (10.3)	1.50 (38.1)	0.25 (6.4)
450 – 600	4K	7.09 (180)	2.00 (50.8)	2.84 (72.2)	6.16 (156)	3.53 (89.7)	0.53 (13.5)	1.50 (38.1)	0.25 (6.4)
700 – 800	4	7.09 (180)	2.50 (63.5)	2.84 (72.2)	5.28 (134)	4.91 (125)	0.53 (13.5)	2.00 (50.8)	0.38 (9.5)

Contact Littelfuse for characteristic curves.