

LA50QS Semiconductor Fuses

500 VAC ■ Very Fast-Acting ■ 35 – 1200 Amperes

NEW



SPECIFICATIONS

Voltage Rating: AC: 500 volts
DC: 500 volts

Interrupting Rating: AC: 200,000 Amperes
DC: 100,000 Amperes

Ampere Range: 35 – 1200 Amperes

Approvals: UL Recognized under the components program.
CSA Certified.

ORDERING INFORMATION

LA	50	QS	250	-4
Littelfuse	Voltage (500)	Style	Ampere Rating	Mounting Type (Blades/Bolt-in)

In response to new equipment requirements, Littelfuse's LA50QS series fuses were developed to improve the overall performance of semiconductor fuses. The LA50QS provides the best protection features including lower I^2t , longer life when subjected to cyclic loading and lower watts loss. LA50QS is today's choice for the protection of dynamic solid state equipment.

Special Purpose Fuses

FEATURES

- **Lowest I^2t** for greatest protection of semiconductor circuits.
- **Low watts loss** for cooler operation.
- **Superior cycling ability** gives an equipment design advantage.
- **State-of-the-art protection** for 500 volt equipment.
- **Ultra compact sizes** allow down-sizing of existing equipment.

APPLICATIONS

Protection of 500 volts or less solid state equipment such as motor drives, UPS, inverters, etc.

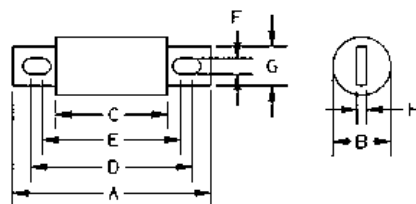
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Catalog Numbers & Technical Data

Ampere Rating	Littelfuse Catalog Number	Mounting Type	Maximum Clearing I ² t @500 VAC (A ² S x 10 ³)	Watts Loss @ Rated Current (W)
35	LA50QS35-4	4	0.56	6
40	LA50QS40-4	4	0.69	7
50	LA50QS50-4	4	1.1	8
60	LA50QS60-4	4	1.8	10
70	LA50QS70-4	4	1.9	12
80	LA50QS80-4	4	2.6	14
90	LA50QS90-4	4	3.6	15
100	LA50QS100-4	4	4.4	17
125	LA50QS125-4	4	5.6	21
150	LA50QS150-4	4	9	25
175	LA50QS175-4	4	15	29
200	LA50QS200-4	4	20	33
225	LA50QS225-4	4	25	37

Ampere Rating	Littelfuse Catalog Number	Mounting Type	Maximum Clearing I ² t @500 VAC (A ² S x 10 ³)	Watts Loss @ Rated Current (W)
250	LA50QS250-4	4	29	41
300	LA50QS300-4	4	55	49
350	LA50QS350-4	4	88	57
400	LA50QS400-4	4	98	65
450	LA50QS450-4	4	130	69
500	LA50QS500-4	4	160	77
600	LA50QS600-4	4	220	92
700	LA50QS700-4	4	270	110
800	LA50QS800-4	4	360	130
900	LA50QS900-4	4	500	140
1000	LA50QS1000-4	4	560	160
1200	LA50QS1200-4	4	930	175



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	3.63 (92.2)	1.00 (25.4)	2.13 (54.1)	2.94 (74.7)	2.75 (69.9)	0.31 (7.9)	0.75 (19.1)	0.13 (3.3)	
125 – 200	4	3.63 (92.2)	1.22 (31.0)	2.13 (54.1)	2.94 (74.7)	2.81 (71.4)	0.31 (7.9)	1.00 (25.4)	0.19 (4.8)	
225 – 400	4	4.34 (110)	1.50 (38.1)	2.09 (53.1)	3.41 (86.6)	2.78 (70.6)	.41 (10.4)	1.00 (25.4)	0.25 (6.4)	
450 – 600	4	4.47 (114)	2.00 (50.8)	2.22 (56.4)	3.53 (89.7)	2.91 (73.9)	.41 (10.4)	1.50 (38.1)	0.25 (6.4)	
700 – 800	4	6.47 (164.3)	2.50 (63.5)	2.22 (56.4)	5.00 (127.0)	3.44 (87.3)	.53 (13.5)	1.50 (38.1)	0.25 (6.4)	
900 – 1200	4	6.97 (177.0)	3.00 (76.2)	3.22 (81.8)	5.47 (138.9)	4.47 (113.5)	.63 (15.9)	2.38 (60.3)	0.44 (11.1)	

Contact Littelfuse for characteristic curves.

