LA70QS Semiconductor Fuses

700 VAC ■ Very Fast-Acting ■ 35 – 800 Amperes

Littelfuse
POWR-GARD™ Products

NEW



Littelfuse's 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.

Special Purpose Fuses

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 down-sizing of equipment.

APPLICATIONS

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

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.

ORDERING INFORMATION

LA	70	QS	150	-4
Littelfuse	Voltage (700)	Style	Ampere Rating	Mounting Type (Blades/Bolt-in)

LA70QS Semiconductor Fuses

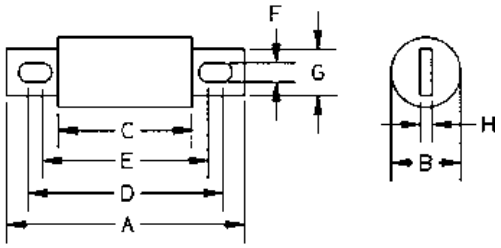
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Catalog Numbers & Technical Data

Ampere Rating	Littelfuse Catalog Number	Mounting Type	Maximum Clearing I^2t @700 VAC ($A^2S \times 10^3$)	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^2t @700 VAC ($A^2S \times 10^3$)	Watts Loss @ Rated Current (W)
200	LA70QS200-4	4	19	41
200	LA70QS200-4K	4K	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



Special Purpose Fuses

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 (13.50	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.