

# A70Q

## SEMICONDUCTOR PROTECTION FUSES



A70Q Amp-trap Semiconductor Protection fuses were developed for inverter applications requiring extremely low  $I^2t$ . A70Q fuses provide the most responsive protection for applications not required to sustain heavy overloads. Typically used for replacement purposes.

### Features/Benefits

- **Lowest  $I^2t$**  of any fuse in this voltage rating for best overall protection
- **700V AC, 650V DC rating** allows protection of greater variety of circuits
- **Solid fill technology** for extra reliability in performance

### Ratings

- **AC:** 35-600A  
700VAC, 100kA I.R.
- **DC:** 35-600A  
650VDC, 100kA I.R.  
L/R=10ms

### Approvals

- UL Recognized Component  
UL File E60314
- AC: Guide No. JFHR2
- DC: Tested to UL Standard 198L Parameters (35-600A)

### HIGHLIGHTS:

- Extremely Fast Acting
- Current Limiting
- Lowest  $I^2t$

### APPLICATIONS:

- Protection of inverters and other equipment requiring the best AC or DC protection in this voltage range

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

\*Contact technical services for application data.

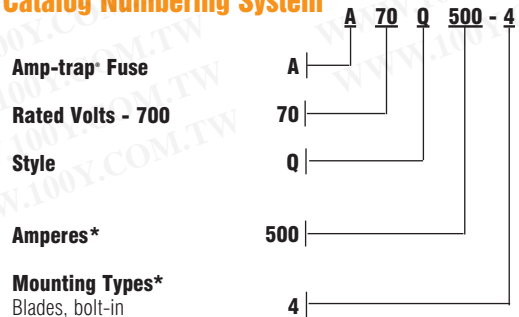


### Single Pole Fuse Blocks for A70Q Fuses

FUSE AMPERE RATING	FUSE BLOCK CATALOG NUMBER
35-100	P243C
125-400	P266A
450-600	P266F



### Catalog Numbering System



\* For ampere ratings and types not listed, consult the factory.

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### Standard Fuse Ampere Ratings, Catalog Numbers

AMPERE RATING	CATALOG NUMBER	AMPERE RATING	CATALOG NUMBER	AMPERE RATING	CATALOG NUMBER
35	A70Q35-4	100	A70Q100-4	350	A70Q350-4
40	A70Q40-4	125	A70Q125-4	400	A70Q400-4
50	A70Q50-4	150	A70Q150-4	450	A70Q450-4
60	A70Q60-4	175	A70Q175-4	500	A70Q500-4
70	A70Q70-4	200	A70Q200-4	600	A70Q600-4
80	A70Q80-4	250	A70Q250-4		
90	A70Q90-4	300	A70Q300-4		

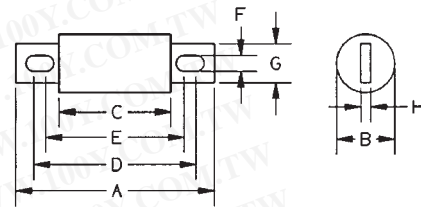


Figure 1

For ampere ratings and styles not listed, call Technical Services.

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### Dimensions

CATALOG NUMBER	MOUNTING TYPE	DIMENSIONS - INCHES (mm)							
		A	B	C	D	E	F	G	H
A70Q35 to 60	4	4.37	1.22	1.96	3.69	2.91	.34	1.00	.19
		(111)	(31.0)	(49.8)	(93.7)	(73.9)	(8.6)	(25.4)	(4.8)
A70Q70 to 100	4	4.37	1.22	1.96	3.69	2.91	.41	1.00	.19
		(111)	(31.0)	(49.8)	(93.7)	(73.9)	(10.4)	(25.4)	(4.8)
A70Q125 to 200	4	5.09	1.50	1.96	4.16	2.91	.41	1.00	.25
		(129)	(38.1)	(49.8)	(106)	(73.9)	(10.4)	(25.4)	(6.4)
A70Q250 to 400	4	5.09	2.00	1.96	4.00	2.94	.56	1.50	.25
		(129)	(50.8)	(49.8)	(102)	(74.7)	(14.2)	(38.1)	(6.4)
A70Q450 to 600	4	7.09	2.50	1.96	5.72	3.25	.56	2.00	.38
		(180)	(63.5)	(49.8)	(145)	(82.6)	(14.2)	(50.8)	(9.7)

