

HMD

Bolt-on Fuse

UL
E356490

RoHS

Rated Current	Nominal Melting I^2t A ² Sec	Voltage Rating (V)	Wire mm ²
30A	5346	125V DC	6
35A	9700		6
40A	4116		6
50A	7320		6
60A	10150		6
63A	31500		6
70A	24600		6
80A	46020		10
100A	24200		10
125A	41500		16
150A	71400	80V DC	25
175A	113400	70V DC	25
200A	193050	32V DC	35
225A	248800		35
250A	251000		50
300A	304000		50
350A	586000		50
355A	672000		50
400A	947000		70
450A	1231400		70
500A	1680100		70
650A	5243200		95

Approval

32V DC/70V DC/80V DC: UL

* 120V DC/125V DC: UL PENDING

Electrical Characteristic

% of Ampere Rating	60~250A		300A		350~650A	
	MIN	MAX	MIN	MAX	MIN	MAX
75%	---	---	14400	---	14400	---
	sec	sec	sec	sec	sec	sec
100%	14400	---	---	---	---	---
	sec	sec	sec	sec	sec	sec
135%	120	1800	120	1800	---	---
	sec	sec	sec	sec	sec	sec
150%	20	450	20	450	---	---
	sec	sec	sec	sec	sec	sec
200%	1	15	1	15	1	15
	sec	sec	sec	sec	sec	sec
350%	0.3	5	0.3	5	0.5	5
	sec	sec	sec	sec	sec	sec
600%	0.1	1	0.1	1	0.1	1
	sec	sec	sec	sec	sec	sec

Interrupting Rating

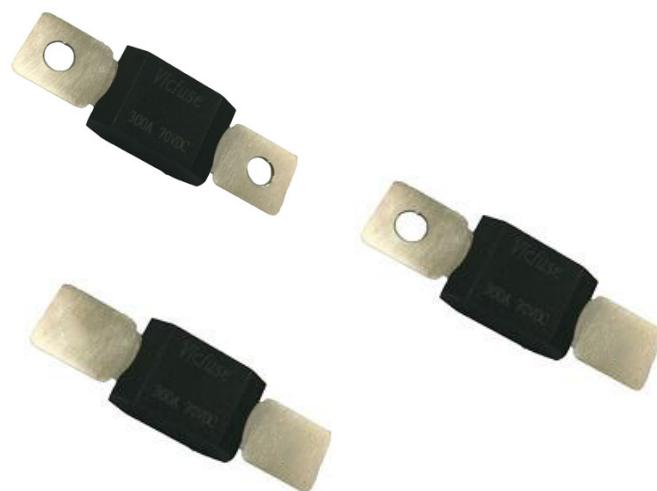
Interrupting Rating: 1000A @125V DC

2500A @120V DC

2500A @80V DC

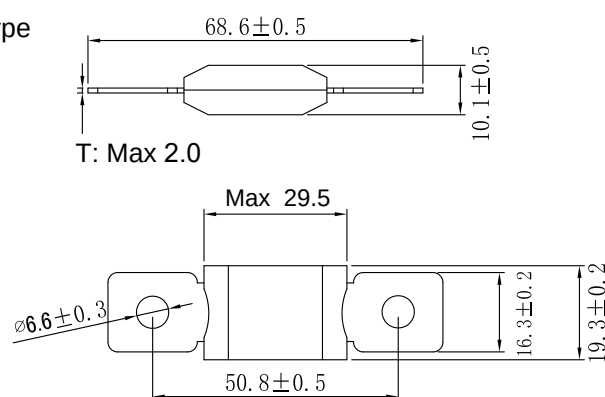
2500A @70V DC

2500A @32V DC

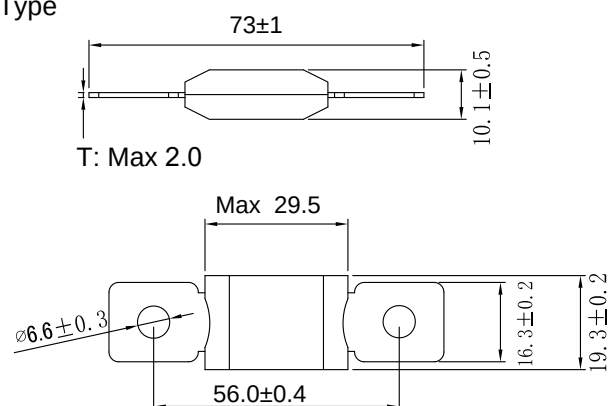


Mechanical Dimension(mm)

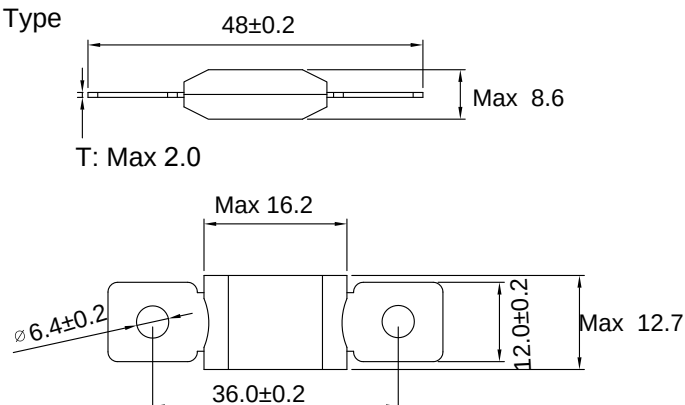
51mm Type



L: 56mm Type

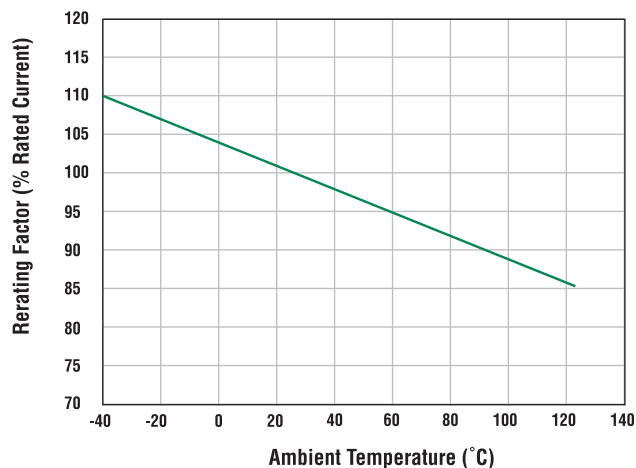


M: 36mm Type

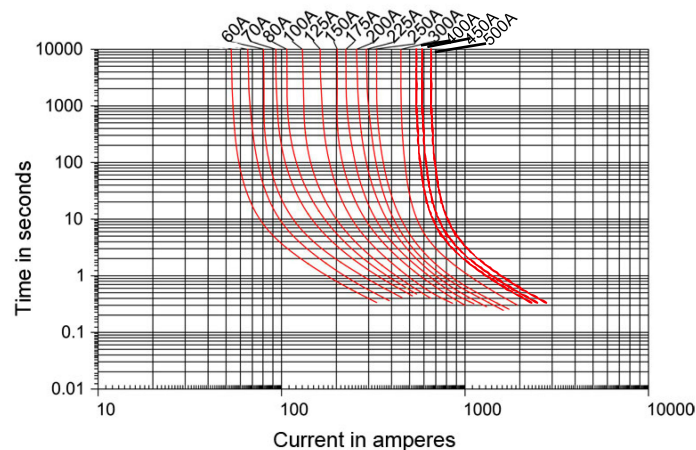


Temperature Derating Curve

Fuse Temperature Derating Curve



Average Time Current Curves



Part Numbering System

HMD -HI - 450A 70VDC L H1 M4
 (1) (2) (3) (4) (5) (6) (7)

(1)	Type
(2)	None: General IR (see datasheet) -HI: High IR (customer demand)
(3)	Rating Current
(4)	Rating Volt
(5)	Center distance between two holes None: 51 mm L: 56 mm M: 36 mm
(6)	None: 2 Holes H1:1 Holes H0:0 Holes
(7)	None: Holes M6 M4: Holes M4 MX: Holes 5.5mm

Remarks: IR==Interrupting Rating

Physical Specification

Housing Material: UL 94V-0 Thermoset Plastic.

Color: Black.

Terminals: Brass/Copper Tin Plated.

Packaging: 100 pcs/bag

Reference to: ISO 20934

Environmental Specification

Operating Temperature -40°C to + 125°C

Installation Instructions

Install the plain washers first, then the elastic washers, and finally the M6 nut. The torque of the nut is 8-14 N.m.