

Fast Acting Fuse for DC Application

1000VDC, 250A ~ 600A

ST381001 Series

Description

- Fast Acting fuse for DC Application (mainly for EV/ESS)
- Stud-mount, optional for other installation
- Excellent DC performance
- Comply RoHS directive
- Design refer to JASO D622:2006

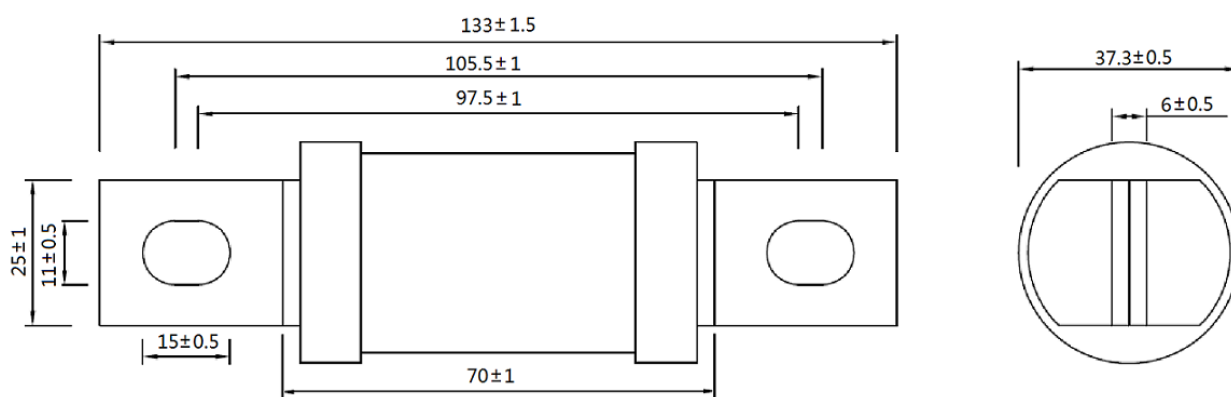
Specifications

Type	Ordering P/N	Electrical Characteristics						
		Rated Current (A)	Rated Voltage (DC)	Breaking Capacity	Pre-arcing I^2t (A ² sec)	1000V Total I^2t (A ² sec)	0.5In Power loss (W)	0.8In Power loss (W)
Single	ST381001-250	250	1000V	50KA	16500	52000	9	33
	ST381001-315	315			24000	77000	12	36
	ST381001-350	350			32000	100000	14	45
Twins	ST381001-400	400			55000	140000	15	48
	ST381001-500	500			75000	190000	17	60
	ST381001-600	600			130000	320000	21	68

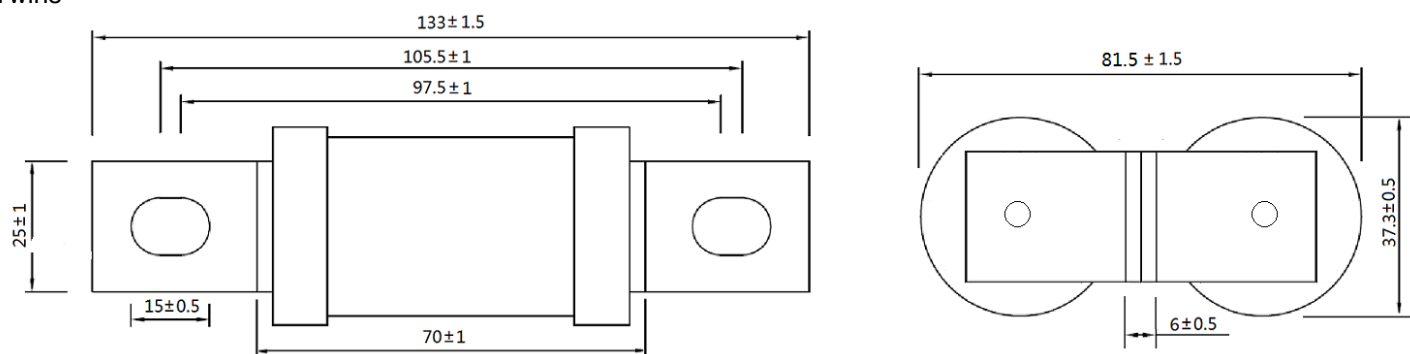
* 0.5In Temperature Rise <=50K 0.5

Dimension (mm)

Single



Twins

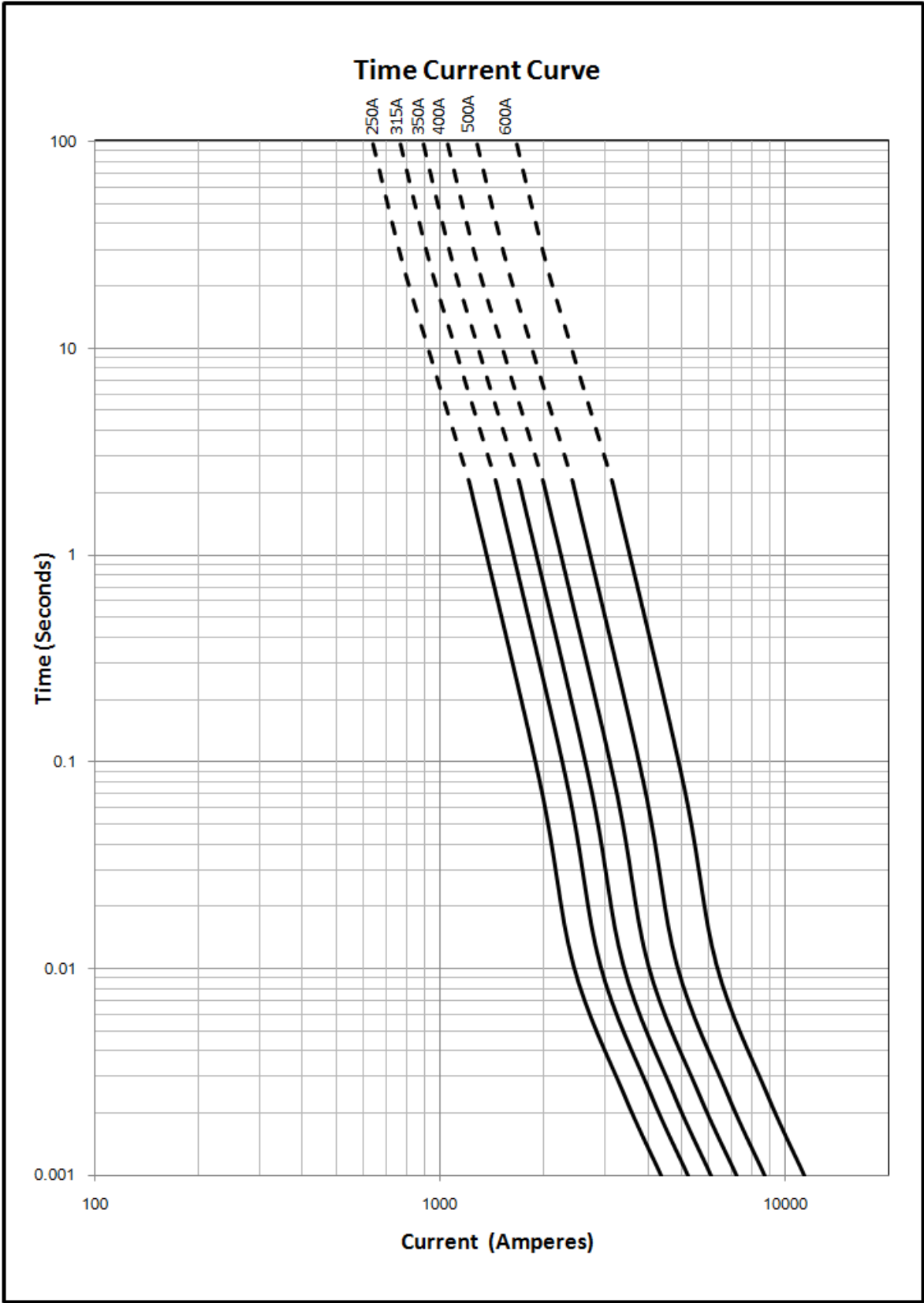


Fast Acting Fuse for DC Application

1000VDC, 250A ~ 600A

ST381001 Series

Tim-Current Curve



Fast Acting Fuse for DC Application

1000VDC, 250A ~ 600A

Rev.: D



ST381001 Series

Transportation and Storage

During transportation and storage, should avoid water seepage and mechanical damage

Conditions for operation in service

Where the following conditions apply, fuses complying with this standard are deemed capable of operating satisfactorily without further qualification.

Normal temperature: -5°C to 40°C ;

The altitude of the site of installation of the fuses does not exceed 2 000 m above sea level;

The air is clean and its relative humidity does not exceed 50 % at the maximum temperature of 40°C ;

Higher relative humidities are permitted at lower temperatures, e.g. 90 % at 20°C ;

Under these conditions, moderate condensation may occasionally occur due to variation in temperature.

For operation condition other than above, please contact manufacturer.

Vibration

Meet JASO D622:2006 Section 6.3.3 Vibration durability test requirement, can be use on Electrical Vehicle application

Temperature Rerating Curve

