

# 150Vdc Square Body Fuse HMSD15 Series

## Description

- DC fuse for EV/HEV/ESS;
- Stud-mount, optional for other installation;
- 150Vdc ideal for EV/HEV/ESS application ;
- Excellent DC performance ;
- Design to EV fuse standard UL248-20 ;
- Reliability performance design refer to ISO8820-8&GB/T31465.6;
- Comply RoHS directive.

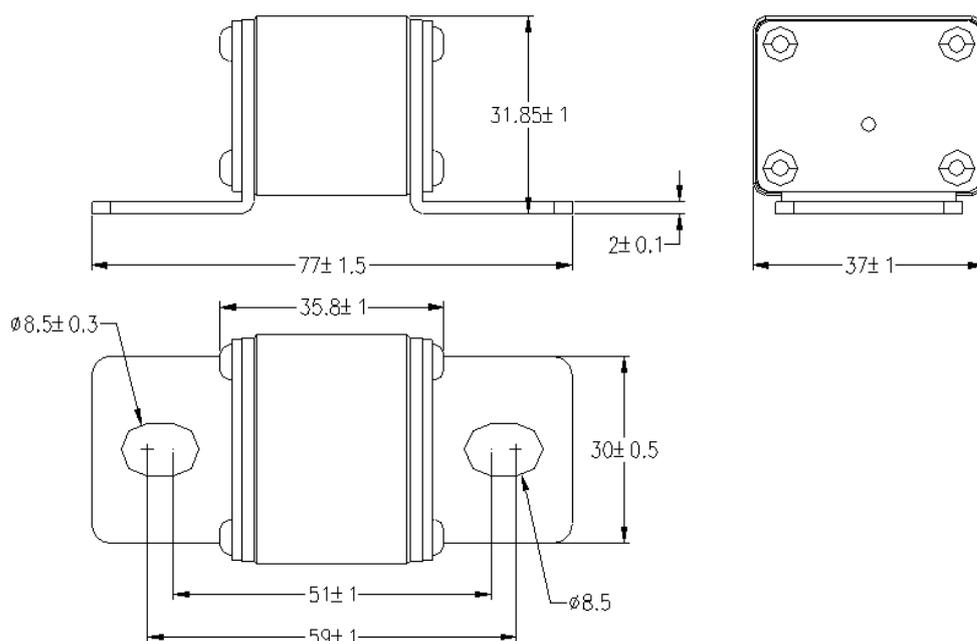


## Specifications

Part Number	Rated Current (A)	Rated Voltage (Vdc)	Breaking Capacity (A)	Power Loss At 1.0In (W)
HMSD15-600A-T	600	150	50000	66
HMSD15-700A-T	700		50000	75

Temperature Rise : <50K with 50% of rated current 50%

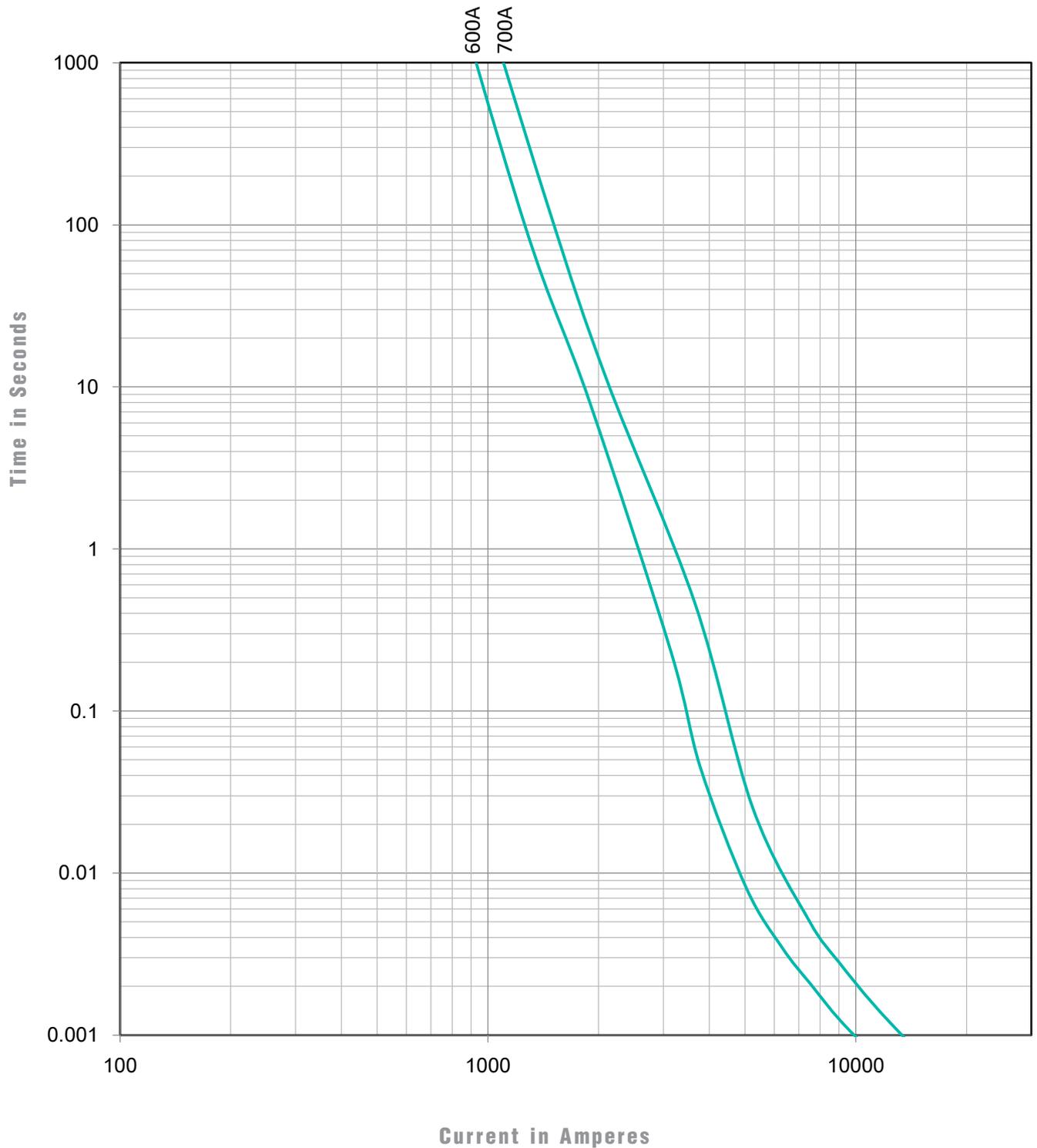
## Dimension (mm)



Note: Recommend tightening torque is  $12 \pm 1.0$ Nm (M8);

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## Time-Current Curve



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## 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 2000 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 UL248-20 Section 8.6.2.3 Vibration Test C requirement, can be use on Electrical Vehicle application.

## Temperature Rerating Curve

Operating Temperature: -40°C to +125°C, with proper rerating factor applied

