



Dongguan GongFu Electronics Co.Ltd. GFEFUSE® Focus: fuse holder and fuse

2H38L Series DC(EV) fuse

1. Purpose and use

This series fuse is suitable for rated DC voltage below 250V (300V), rated current 200A-500A line, breaking capacity 10KA, widely used in charger, power supply, vehicle battery, vehicle circuit system, inverter integrated protection. At the same time, it has the characteristics of strong current limiting capacity, large breaking capacity and fast breaking speed in short circuit. Can withstand temperature shock, mechanical shock, current shock, chemical load, etc. This series of products refer to ISO 8820, JASO D622 and GB/T31465 for performance. Environmental reliability meets ISO8820, JASOD622, GB/T31465

2. Normal working conditions

Normal operating conditions of ambient air temperature: - 5 °C ~ 40 °C; allowable operating conditions: - 40 °C ~ + 125 °C;

3. Use category

Full range fast fuse(gR)

4. Structural characteristics

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<http://www.dcfuselink.com>



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The melting tube of the product is made of high-temperature resistant ceramic material, with high flame-retardant performance and strong hardness.

The melt is sealed in the melting tube with a variable cross-section melt made of 99.99% pure silver. The melting tube is filled with chemically treated high-purity quartz sand and specially treated chemical materials as arc extinguishing medium. The contact surface is silver plated to ensure reliable electrical performance, greatly reducing temperature rise and power consumption; Both ends of the melt are firmly connected with the contact by spot welding, which greatly enhances the safety and reliability of breaking short circuit fault current

5.Agreed current and agreed time

Test current A	Fusing time s	
	In: $\geq 60A$	
	min	max
1.1In	14400	—
2In	1	300
3In	0.2	30
5In	0.05	1

Note: the agreed current and agreed time required by the customer can be negotiated with our company.

The characteristics of fuse will vary according to the use environment and surrounding design requirements.

The performance characteristics are obtained according to the rated constant temperature of 25 °C



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6. Main parameters

NO:	Product model	Rated current (A)	Rated voltage DC (V)	Maximum voltage Drop 110%(mV)	Breaking Capacity (KA)
1	2H38L200	200	300V/250V	113	10
2	2H38L250	250	300V/250V	105	10
3	2H38L300	300	300V/250V	102	10
4	2H38L350	350	300V/250V	97	10
5	2H38L400	400	300V/250V	88	10
6	2H38L450	450	300V/250V	95	10
7	2H38L500	500	300V/250V	77	10

7. Product scale:

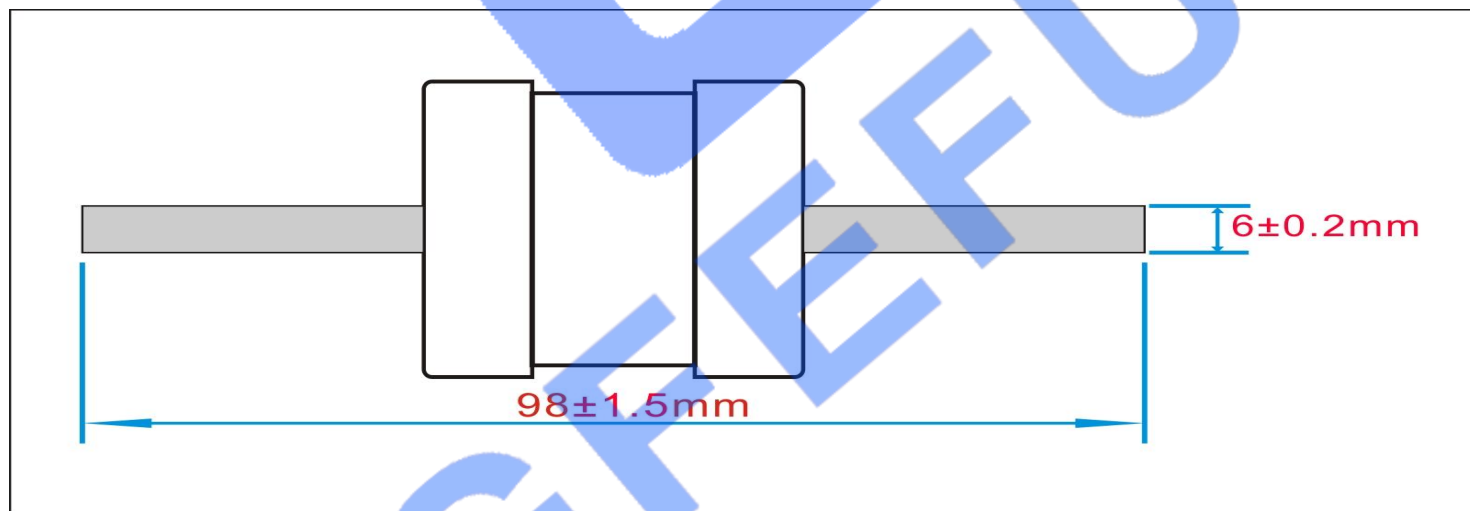
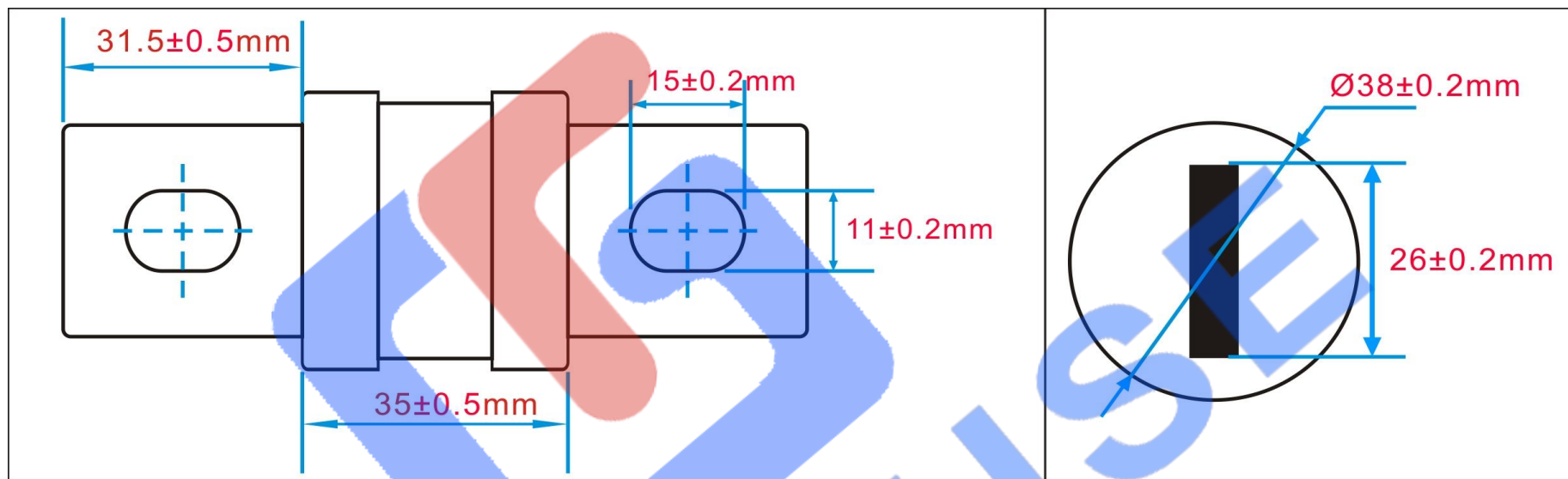
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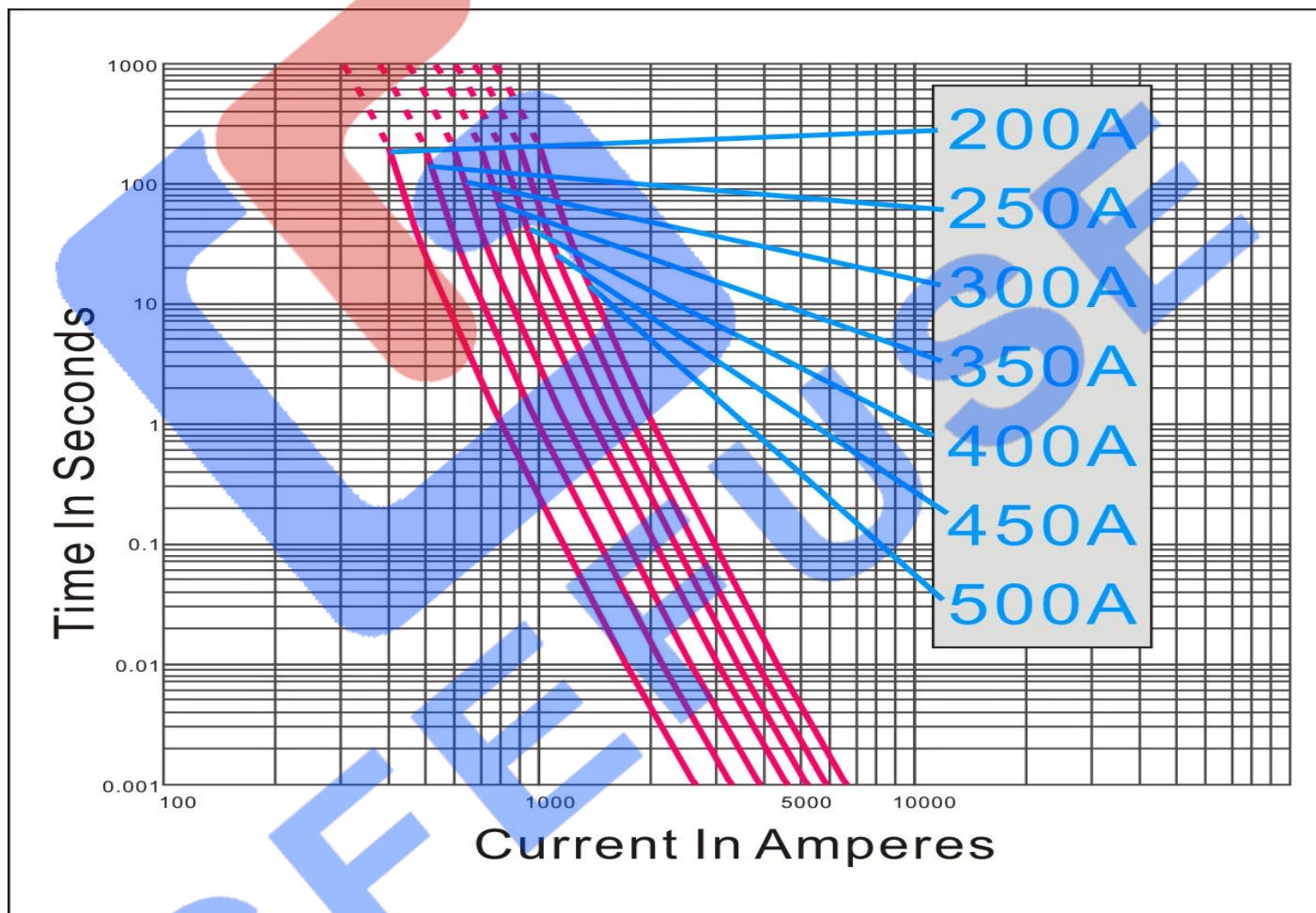
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8. Characteristic curve:



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