



H10F Fast (EV) fuse

1 . Purpose and use

This series of fuses are suitable for rated DC150V-1500V (440mA-6A) 450V-500V (10A-50A) (AC250V-500V) line protection, as a comprehensive protection for instrument power lines and wiring harnesses, and also has strong current limiting capabilities and high breaking Capability, fast short-circuit breaking speed, etc., and can withstand temperature shock, mechanical shock, current shock, chemical load, etc. Breaking capacity: AC (50KA) DC (20KA50KA)

2 . Normal working conditions

Ambient air temperature Normal use condition: -40°C ~ +125°C;

3. Use category

“gR” Indicates a fast fuse for full range protection.

4. Structural features

The melting tube of this product is made of special high temperature resistant materials, with high flame retardancy and strong hardness. The melt is made of 99.99% pure silver and is encapsulated in the



melting tube. The molten tube is filled with chemically treated high Purity quartz sand and special chemical materials are used as the arc extinguishing medium. The contact surface is treated with silver plating to ensure reliable electrical performance and greatly reduce the temperature rise and power consumption. Both ends of the melt are firmly connected to the contacts by spot welding, which improves The safety and reliability of breaking short-circuit fault current is greatly enhanced (500mA-30A melamine tube) (35A-50A ceramic tube)

5. Agreed current and agreed time

Test current (A)	Fusing time (s)	
	In:	
	min	max
1.1In	14400	—
1.35In	150	3600
2In	0.5	100
3In	0.1	15
5In	0.05	1

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



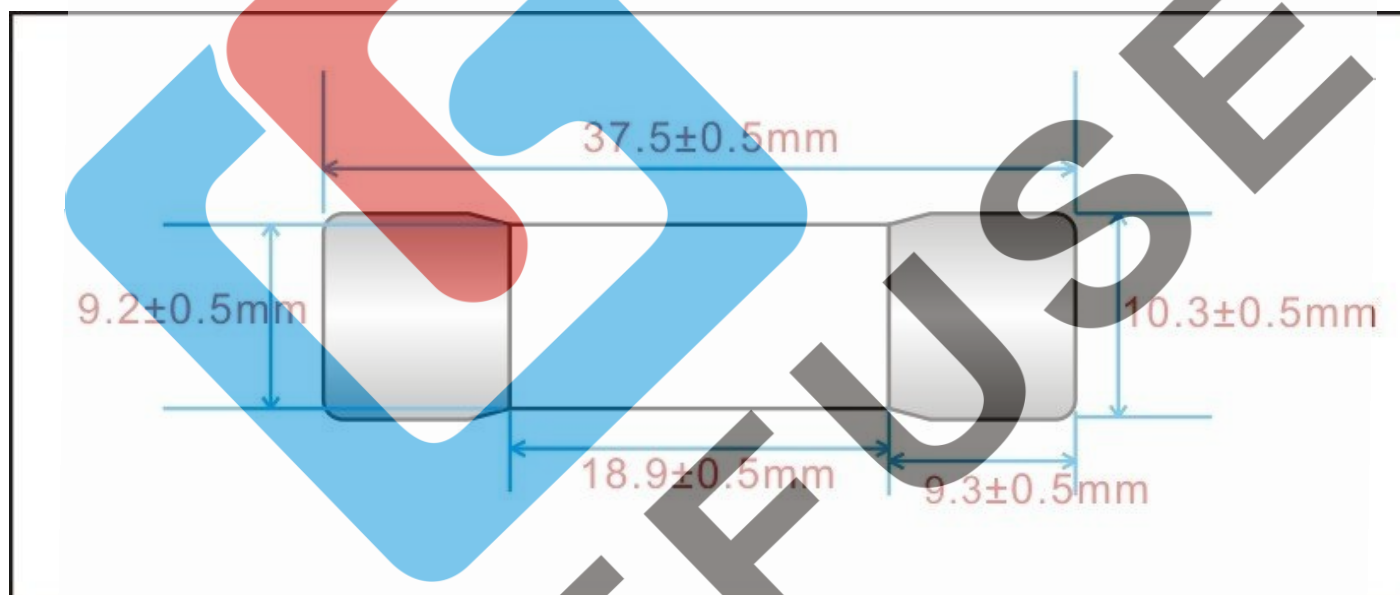
6. Main parameters

No:	Model number	Rated current (A)	Rated voltage (V) DC	Breaking capacity DC (KA)	Rated voltage (V) AC	Breaking capacity AC (50KA)
1	H10F13/H10F15/H10F17/H100F	440mA	300V500V750V1000V1500V	50KA	250V/500V	50KA
2	H10F13/H10F15/H10F17/H100F	500mA	300V500V750V1000V1500V	50KA	250V/500V	50KA
3	H10F13/H10F15/H10F17/H100F	750mA	300V500V750V1000V1500V	50KA	250V/500V	50KA
4	H10F13/H10F15/H10F17/H100F	1A	300V500V750V1000V1500V	50KA	250V/500V	50KA
5	H10F13/H10F15/H10F17/H100F	1.25A	300V500V750V1000V1500V	50KA	250V/500V	50KA
6	H10F13/H10F15/H10F17/H100F	1.5A	300V500V750V1000V1500V	50KA	250V/500V	50KA
7	H10F13/H10F15/H10F17/H100F	2A	300V500V750V1000V1500V	50KA	250V/500V	50KA
8	H10F13/H10F15/H10F17/H100F	3A	300V500V750V1000V1500V	50KA	250V/500V	50KA
9	H10F13/H10F15/H10F17/H100F	4A	300V500V750V1000V1500V	50KA	250V/500V	50KA
10	H10F13/H10F15/H10F17/H100F	5A	300V500V750V1000V1500V	50KA	250V/500V	50KA
11	H10F13/H10F15/H10F17/H100F	6A	300V500V750V1000V1500V	50KA	250V/500V	50KA
12	H10F13/H10F15	10A	300V/500V	20KA	250V/500V	50KA
13	H10F13/H10F15	12A	300V/500V	20KA	250V/500V	50KA
14	H10F13/H10F15	15A	300V/500V	20KA	250V/500V	50KA
15	H10F13/H10F15	16A	300V/500V	20KA	250V/500V	50KA
16	H10F13/H10F15	20A	300V/500V	20KA	250V/500V	50KA
17	H10F13/H10F15	25A	300V/500V	20KA	250V/500V	50KA
18	H10F13/H10F15	30A	300V/500V	20KA	250V/500V	50KA
19	H10F13/H10F15	35A	300V/500V	20KA	250V/500V	50KA
20	H10F13/H10F15	40A	300V/500V	20KA	250V/500V	50KA
21	H10F13/H10F15	45A	300V/500V	20KA	250V/500V	50KA
22	H10F13/H10F15	50A	300V/500V	20KA	250V/500V	50KA



Note: Can be customized according to specific requirements

7. Product size chart:



8:characteristic curve

