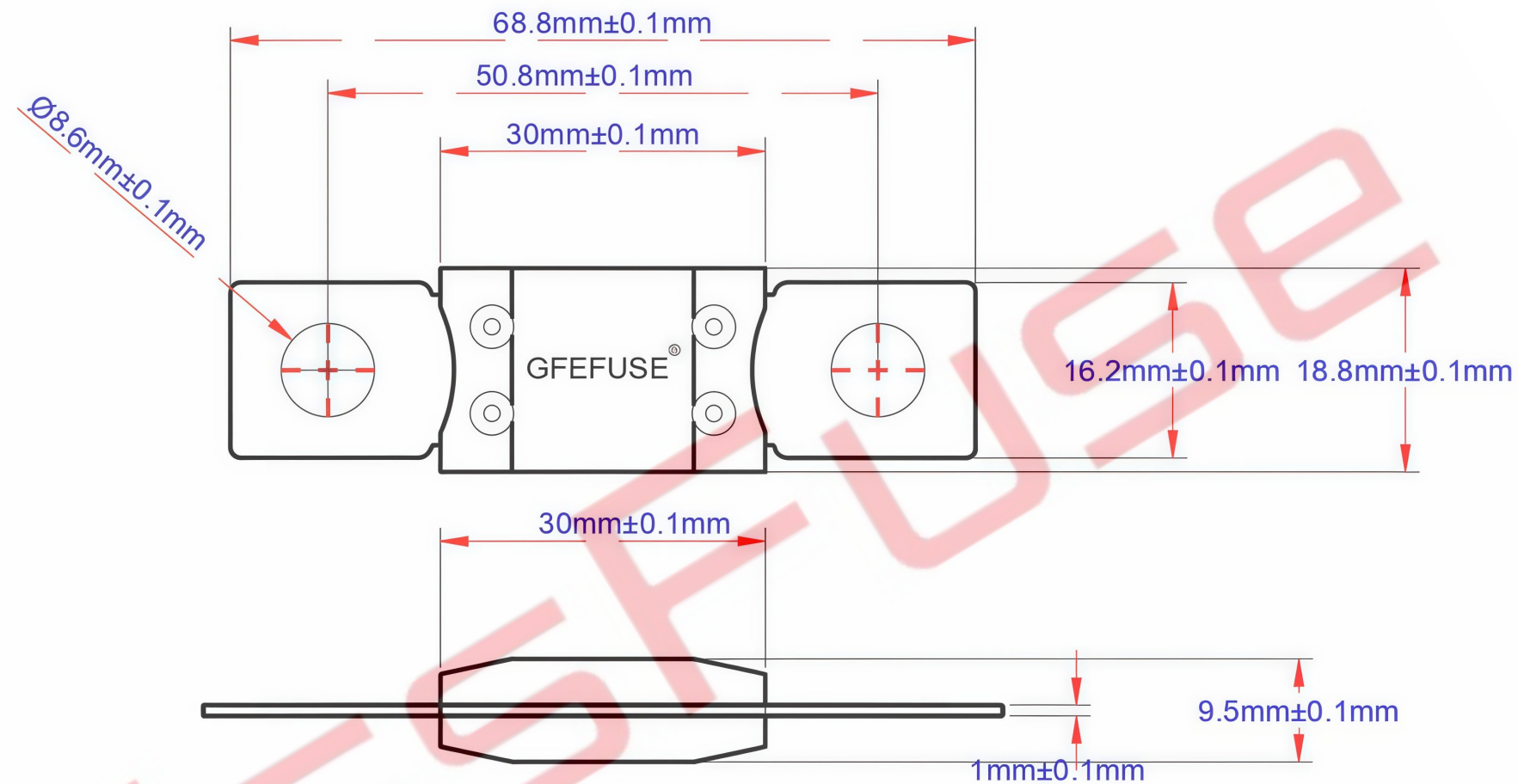


ANL-B150BSF51 Bolt-Down Automotive Fuse

1. Dimensions (mm)



2. Specifications

- ❖ Product Features
- ❖ Compact design, suitable for high current applications.
- ❖ Rated DC voltage of 150 volts
- ❖ Shell material: high-temperature PPS and ceramic
- ❖ The product complies with UL248-1 standard
- ❖ High current wire protection
- ❖ Vehicle distribution (electric motorcycles, new energy trams, charging supporting systems)
- ❖ Material processing system
- ❖ Unmanned aerial vehicle power distribution protection
- ❖ All supercapacitor and battery systems (energy storage protection system)
- ❖ Operating temperature -40°C to $+125^{\circ}\text{C}$

3. Time-Current Characteristics

% of Rating	Opening Time Min / Max
	100A - 700A
100	4H / ∞
300	~/10S

4.Product specifications

Part Number	Rating Current(A)	Pre-arcing I²t(A²s)	Arcing I²t(A²s)	Total Clearing I²t(A²s)
ANL-B150B100SF51	100A	520	260	780
ANL-B150B150SF51	150A	980	400	1380
ANL-B150B200SF51	200A	1650	620	2270
ANL-B150B250SF51	250A	2600	950	3550
ANL-B150B300SF51	300A	3750	1400	5150
ANL-B150B350SF51	350A	5100	1900	7000
ANL-B150B400SF51	400A	6800	2550	9350
ANL-B150B450SF51	450A	8250	3225	11475
ANL-B150B500SF51	500A	10800	4000	14800
ANL-B150B550SF51	550A	13100	4850	17950
ANL-B150B600SF51	600A	15600	5700	21300
ANL-B150B650SF51	650A	18250	6550	24800
ANL-B150B700SF51	700A	21000	7400	28400

1. With a short-circuit current of 20kA and a relatively high interruption current, the melting and arcing energy is reduced simultaneously, resulting in a faster breaking speed and less impact on power devices.
2. The overload operating threshold and voltage drop remain unchanged, and the long-term current carrying capacity is not affected by the short circuit level.
3. This breakout specification meets the protection requirements of conventional low-voltage DC busbars, energy storage auxiliary circuits, and industrial control DC equipment.
4. The system short-circuit current is stable within 20kA, and this set of parameters can be directly used for device I² t matching verification.
5. It exhibits good arc extinction stability in low-voltage and low-interruption scenarios, and can be normally adapted to circuits with L/R ≤ 25ms.
6. When selecting a device, a protection margin should be reserved, and the total breaking capacity I²t must be less than the withstand limit of the semiconductor device.

5: Time-Current Characteristic Curves

