

H14FD/H14FF Semiconductor Fast Fuse

1. Use and use

This series of fuses is suitable for circuits with rated AC voltage IEC (690V) UL (700V) and DC (600V) rated current 1A-63A. The 100KA (AC) and 50KA (DC) segmented functions are mainly used for line overload and short circuit protection in electrical equipment, UPS system protection for small inverters, variable speed drive protection, and other similar 700V protection. The product complies with the provisions of national standard GB13539-4, International Power Commission standard IEC60269-4, and UL248-1/248-13

2. operational condition

The upper limit of ambient air temperature shall not exceed 125°C; the lower limit of ambient air temperature shall not be lower than -40°C; the altitude of the installation site shall not exceed 2000m (if exceeding this 2000m, the requirements shall be indicated, and the Company can design and develop according to customer requirements).

3. Usage category

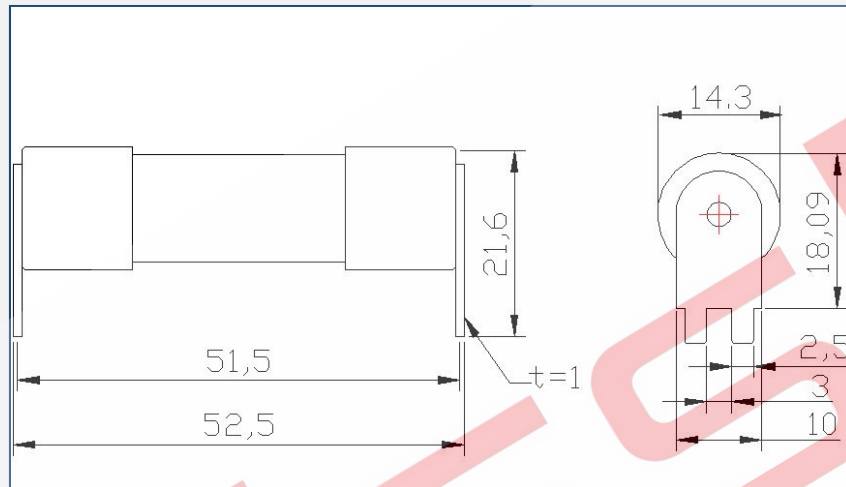
"aR" indicates the fuse used to protect the line overload and short circuit in the electrical device.

4 . Structural characteristics

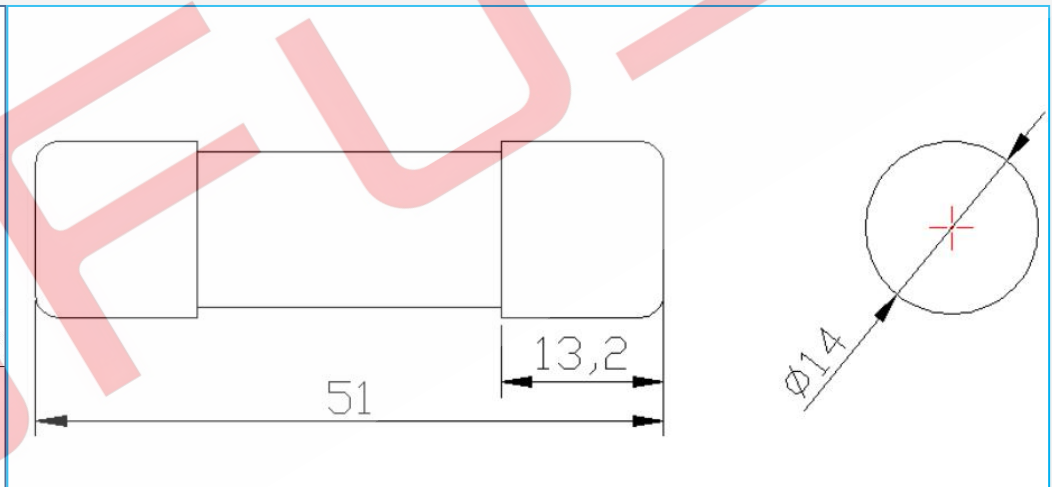
The variable cross-section melt made of 99.99% pure silver is encapsulated in a melt tube made of high-strength ceramics. The melt tube is filled with chemically treated high-purity quartz sand and specially treated chemicals as arc extinguishing media, and both ends of the melt are firmly electrically connected to the contacts.

5:Product Dimensional Drawing

.H14FD



. H14FF



6. Main technical parameters

Dongguan GongFu Electronics Co., LTD

EssFuse

Fuses and fuse holders

NO	Rated current (A)	$I^2T(A^2S)$		power LOSS (W)	Rated voltage (V)	model
1	1	0.2	0.3	1.15	690V/700V	H14FD01/H14FF01
2	2	0.9	1.8	1.75	690V/700V	H14FD02/H14FF02
3	4	6.7	13	2.9	690V/700V	H14FD04/H14FF04
4	6	8	35	2	690V/700V	H14FD06/H14FF06
5	8	4.3	40	2.25	690V/700V	H14FD08/H14FF08
6	10	4.3	45	2.95	690V/700V	H14FD10/H14FF10
7	12	5.4	60	4.1	690V/700V	H14FD12/H14FF12
8	16	13.1	125	4.65	690V/700V	H14FD16/H14FF16
9	20	26.8	230	4.8	690V/700V	H14FD20/H14FF20
10	25	52.5	385	5.95	690V/700V	H14FD25/H14FF25
11	32	96.7	700	6.9	690V/700V	H14FD32/H14FF32
12	40	210	1050	7.8	690V/700V	H14FD40/H14FF40
13	50	200	1800	9	690V/700V	H14FD50/H14FF50
14	63	617	2900	12.5	690V/700V	H14FD63/H14FF63

Can be customized according to customer requirements. The test data was conducted at a constant temperature of 23.5 degrees Celsius

7.Melting characteristic curve:

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