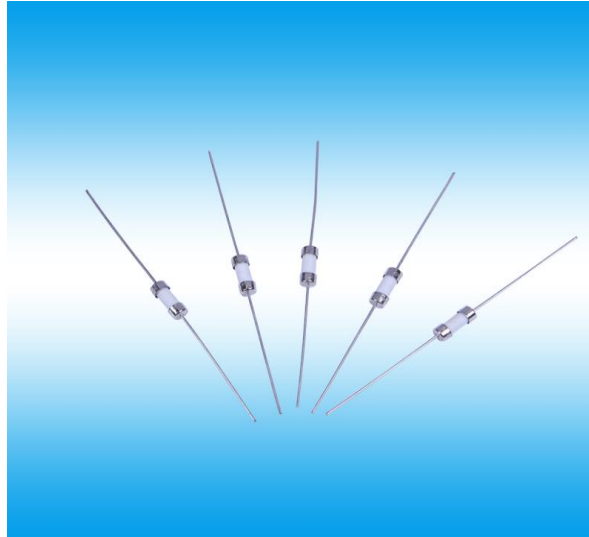


Type 3FS/Fast Acting Axial Lead Fuse

3FS系列/快断轴向引线熔断器



Description

- The 3FS Series is an axial lead fuse, designed for overcurrent protection in electronic appliance charger applications.

3FS系列是一种轴向引线熔断器，用于电子设备充电器应用中的过流保护。

Features 产品特征

- Meets the requirements of IEC60127-3 Sheet 4. 符合IEC60127-3 Sheet 4的要求。
- Single Pigtail Axial Lead format 单帽轴向引线
- Fast-Acting, ceramic body fuse in a compact package 快断，小型陶瓷熔断体
- Pb-free, RoHS compliant 通过无铅认证
- Available in ratings of 500mA to 6.3Amperes 可在额定500mA到6.3A

Applications 产品应用

- Smartphone 智能手机
- Power Supplies for consumer electronics 消费类电子产品的电源
- Tablet wall-mount chargers 平板电脑壁挂型充电器

Electrical Characteristics 熔断特性

Electrical Characteristics 熔断特性		
Ampere Rating	% of Amp Rating	Opening Time
500mA-6.3A	150%	1 Hours Minimum
	210%	1800 Seconds Maximum
	275%	10ms-3 Seconds
	400%	3ms-300ms
	1000%	20ms Maximum

Safety Agency:

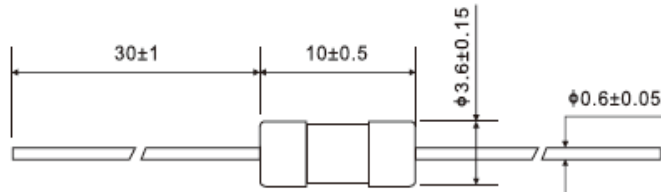


Type 3FS/Fast Acting Axial Lead Fuse

Electrical Specifications 电气特性

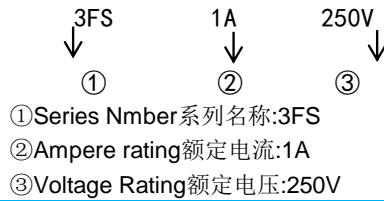
Catalog Number	Ampere Rated In	Marking	Voltage Rating(V) Interrupting Rating (A)	Norminal Resistance Cold(Ohm)	Norminal Melting I ² T(A ² sec)
3FS500mA	500mA	F500mAL250V	35A@125V/250VAC	0.145	0.125
3FS630mA	630mA	F630mAL250V		0.098	0.278
3FS800mA	800mA	F800mAL250V		0.078	0.512
3FS1A	1A	F1AL250V		0.056	0.600
3FS1.25A	1.25A	F1.25AL250V		0.048	0.938
3FS1.6A	1.6A	F1.6AL250V		0.038	1.536
3FS2A	2A	F2AL250V		0.029	4.400
3FS2.5A	2.5A	F2.5AL250V		0.024	5.000
3FS3.15A	3.15A	F3.15AL250V		0.021	7.938
3FS4A	4A	F4AL250V	40A@125V/250VAC	0.014	14.40
3FS5A	5A	F5AL250V	50A@125V/250VAC	0.011	22.50
3FS6.3A	6.3A	F6.3AL250V	63A@125V/250VAC	0.008	47.63

Dimensions(mm)



6.3A Wire Diameter :0.8mm

Formation of Type Designation 类型命名的形成

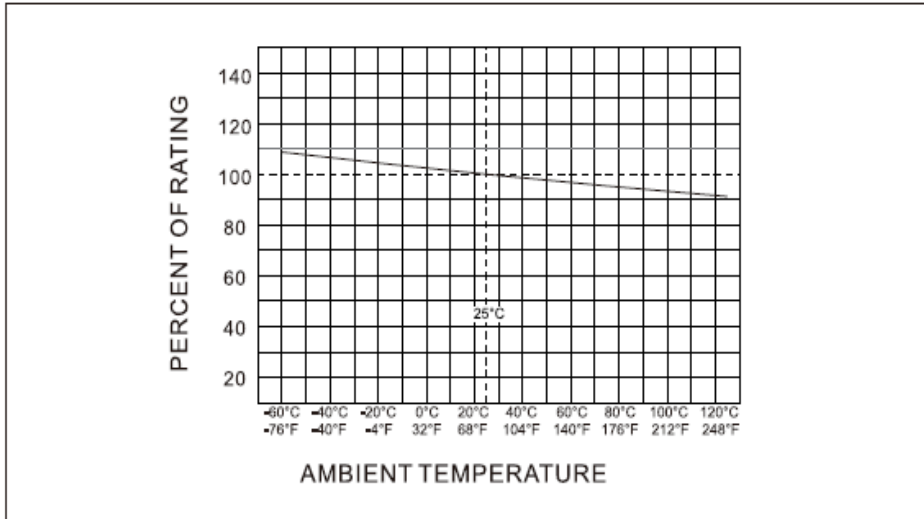


Packaging 包装

On Tape:3FS-1500pcs in box,15000pcs Outer Box

Type 3FS/Fast Acting Axial Lead Fuse

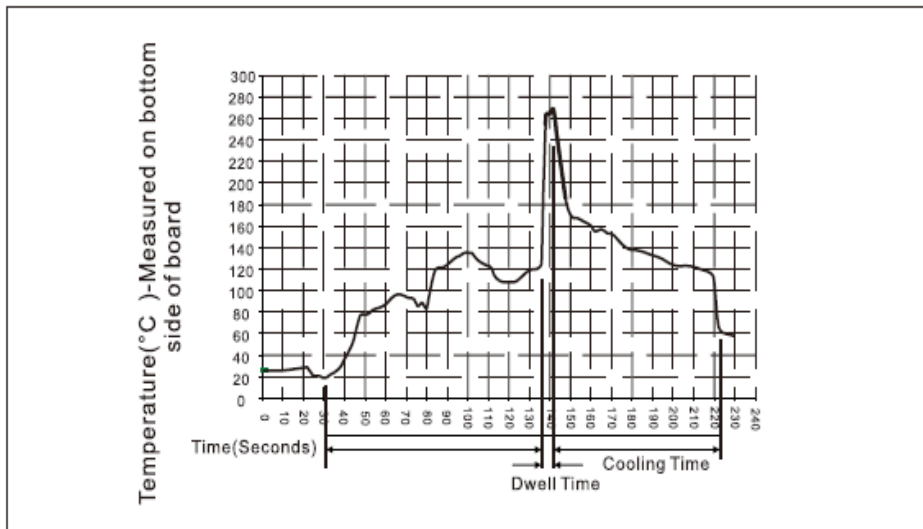
Temperature Rerating Curve 额定温度曲线



Note:

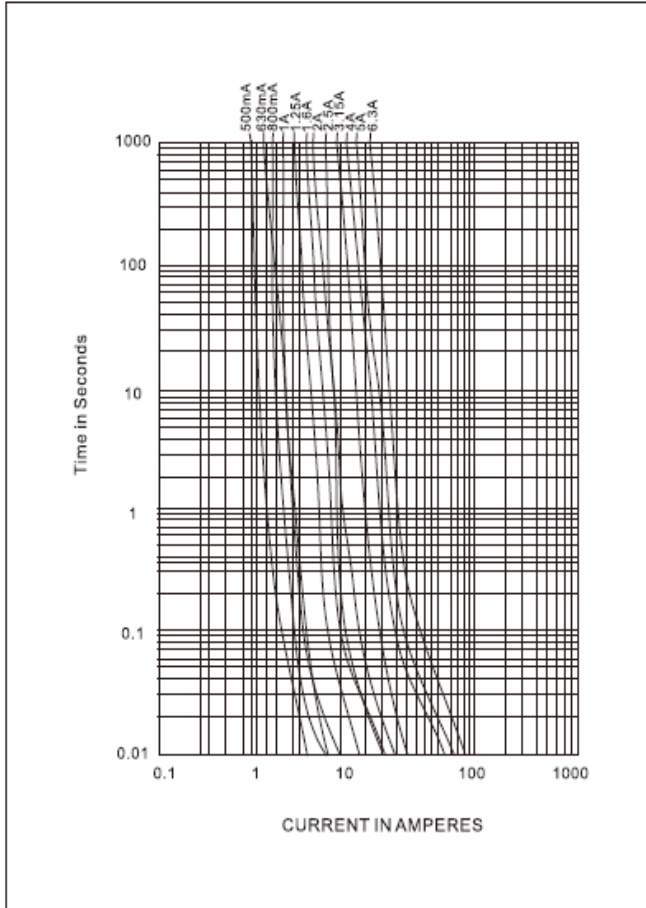
Derating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

Soldering Parameters-Wave Soldering 焊接参数



Type 3FS/Fast Acting Axial Lead Fuse

Time-Current Characteristics 熔断时间特性表



Operation Temperature 工作温度

→ -40°C to 125°C

Physical Specification Materials 规格材料

- Ceramic Body
- Lead Wire: Tin plated Copper, Diameter 0.6 mm/0.8mm
- Nickel Plated Brass Caps

Recommended Process Parameters 工艺参数

Wave Parameter	Lead-Free Recommendation
Preheat: (Depends on Flux Activation Temperature)	(Typical Industry Recommendation)
Temperature Minimum:	100°C
Temperature Maximum:	150°C
Preheat Time:	60-180seconds
Solder Pot Temperature:	260°C Maximum
Solder Dwell Time:	2-5 seconds

→ Recommended Hand-Solder Parameters:

- Solder Iron Temperature: 350°C +/- 5°C
- Heating Time: 5 seconds max.
- Note: These devices are not recommended for IR or Convection Reflow process