



贝特卫士®

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You build electronics, We safeguard them!

承 认 书

APPROVAL SHEET

编号 No.	932050027804-A/0-T
日期 Date	2020.09.25

客 户 Customer	Ropla
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品 名 Product	Box Subminiature Fuse
系 列 Series	932 series

料号 Part No.	规格描述 Specification	备注 Remark
贝特电子 Betterfuse	932050027804	932 500mA 250V Square plastic case, Time-Lag current fuse
客 户 Customer		

环保特别提示 Special instructions for environmental protection
本产品:

供应商-贝特电子 Supplier-Betterfuse	零件承认章 Approval Signet	客 户 Customer	零件承认章 Approval Signet
制 作 Make	YaLan Wang		
审 核 Check	Fei Gao		
确 认 Approval	Weirong Xiang		

联络 Contact			
业务 Sales	电话 Telephone	手机 Cellphone	邮箱 E-mail
零件承认后敬请回签一份给我司留存, 或将承认后的封面传真 (0769-8352 1857) 至我司, 谢谢!			



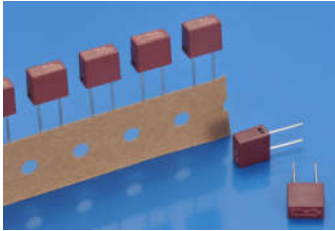
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1. SCOPE AND DESCRIPTION



Following electronic product specifications apply to fuses of the 932 series. The 932 series is a sub miniature fuse links for over-current protection.

Its main applications are for consumer electronics, LED drivers, power supplies, battery chargers and controllers for industrial use.

2. GENERAL INFORMATION





General Description

The 932 series provides protection for printed circuit boards used in a large variety of applications that need fuses with time-delay, low breaking capacity. The sub-miniature device is constructed of a plastic cap and base with a tin plated copper lead wire. It offers excellent mounting characteristics and is 100% tested for cold resistance.

Detailed Features

- Subminiature fuse with time-lag, low breaking capacity
- Small, rectangular and leaded design minimizes board space and eliminates the need for additional mounting components
- Plastic cap / brown thermoplastic fuse body.
- 0.6mm lead wires made of tin plated copper.
- Protection against harmful over-currents in primary and secondary applications.
- Lead-free, Halogen-free, RoHS compliant
- Designed according to IEC 60127

3. AGENCY APPROVALS

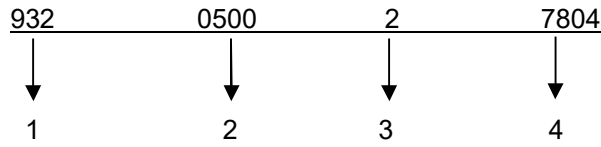
Agency	Agency File Number	Voltage / Current Rating
	E300003	125V / 250V / 277V / 300V/ 400V:100mA~16A
	2020970207000039	250V AC:125mA;160mA;200mA;250mA;315mA;400mA; 500mA;630mA;800mA;1A;1.25A;1.6A;2A;2.5A;3.15A;4A;5A;6.3A;8A;10A
	SU05042-13003 SU05042-13002 SU05042-13001	250VAC:500mA;630mA;800mA;1A;1.25A;1.6A;2A;2.5A; 3.15A ;4A;5A;6.3A
	R 50279350	250VAC:125mA;160mA;200mA;250mA;315mA;400mA;500mA 300VAC:125mA;160mA;200mA;250mA;315mA;400mA;500mA;630mA; 800mA;1A;1.25A;1.6A;2A;2.5A;3.15A;4A;5A;6.3A;8A;10A



4. PART NUMBERING SYSTEM

4.1 Part Number

Example: 932050027804



- | | |
|-----------------------------|--|
| 1 .Product Series | 932 |
| 2 .Ampere Rating | 500mA (see table 4.2 below) |
| 3 .Rated Voltage | 1- 125V
2- 250V
3- 300V
K- 400V |
| 4 .Supplementary Code | See table 4.3 below |

4.2. Ampere / Voltage Rating Table

AMP COGE	CURRENT RATING	VOLTAGE RATING
0500	500mA	125V / 250V / 277V / 300V / 400VAC

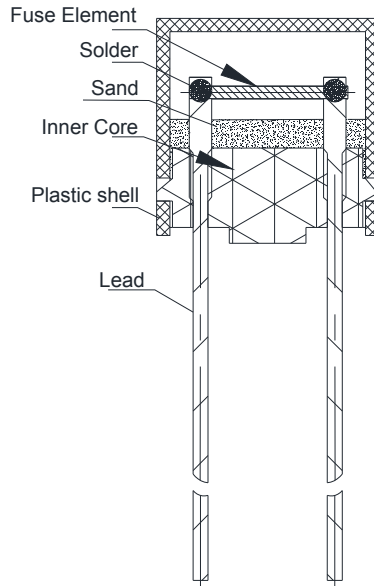
4.3. Supplementary Code Table

CODE	DESIGNATION
7804	Lead wire:4.3±0.3mm

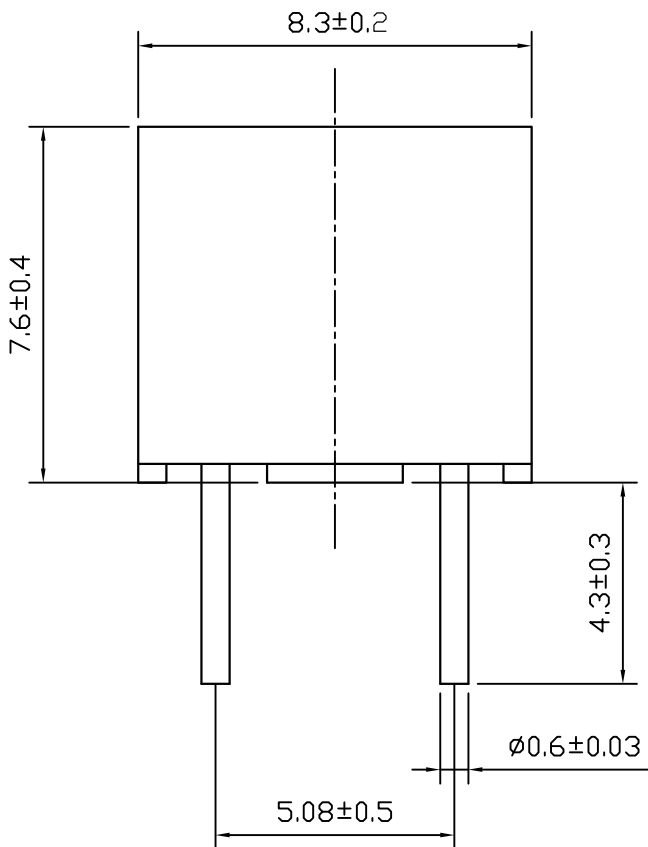


5. CONSTRUCTION AND MECHANICAL CHARACTERISTICS

Construction (cross section)



Dimensions (unit: mm)



Operating Temperature:

-55°C to +125°C

Storage Conditions:

+10°C to +60°C

Relative humidity: ≤ 75% yearly average
without dew, maximum 30 days at 95%

Vibration Resistance:

24 cycles at 15 min. each (60068-6)

10-60Hz at 0.75mm amplitude

60-2000Hz at 10g acceleration



6. ELECTRICAL SPECIFICATIONS

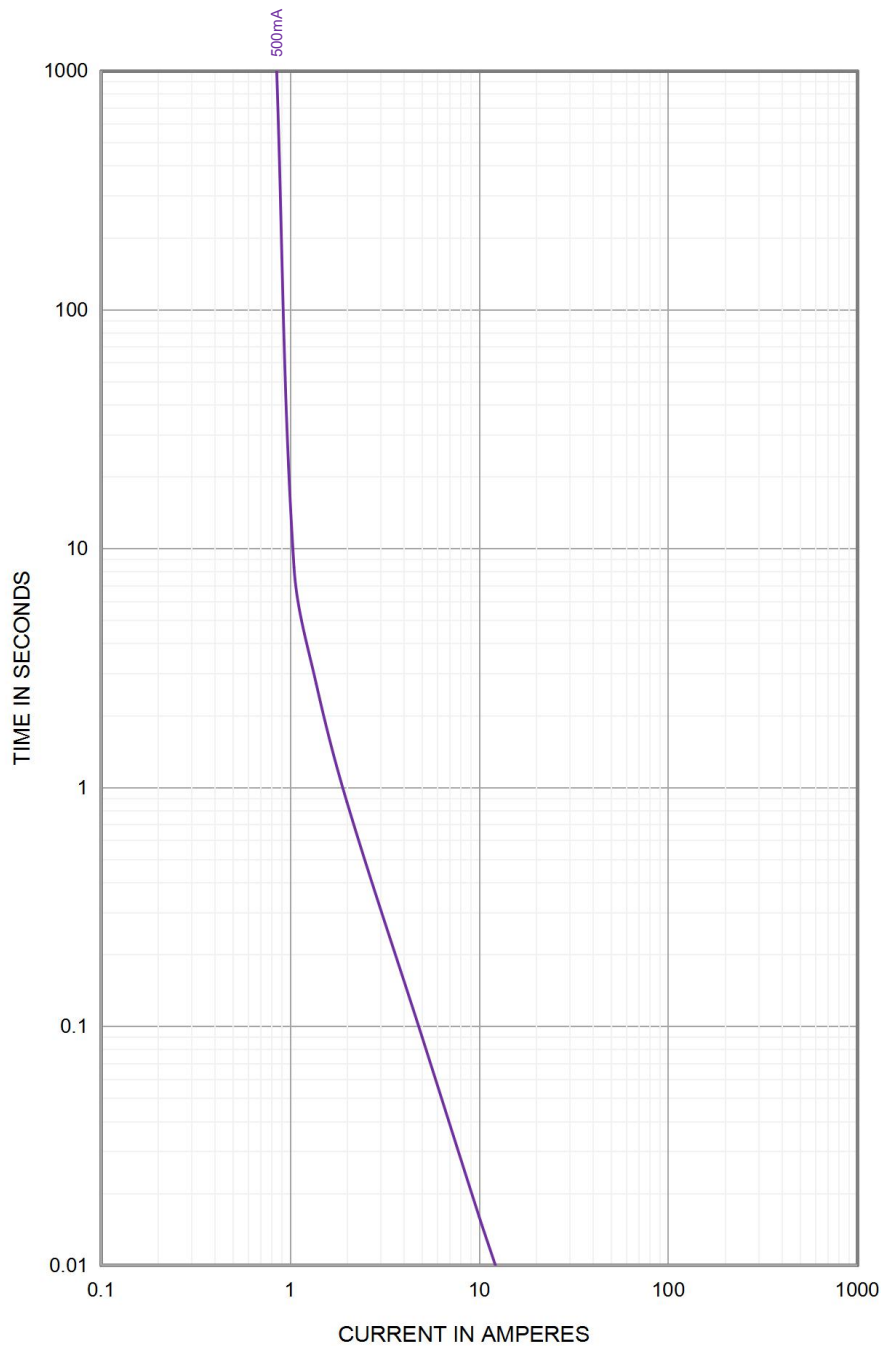
Time vs Current Characteristics Table

(measured with constant current power supply)

Time vs Current Characteristics:IEC60127					
Rated Current	150%	210%	275%	400%	1000%
500mA	>1h	<2min	400ms~10s	150ms~3s	20ms~150ms

Average Time Current (I-T Curves)

Average Current Curve(I-T Curve)

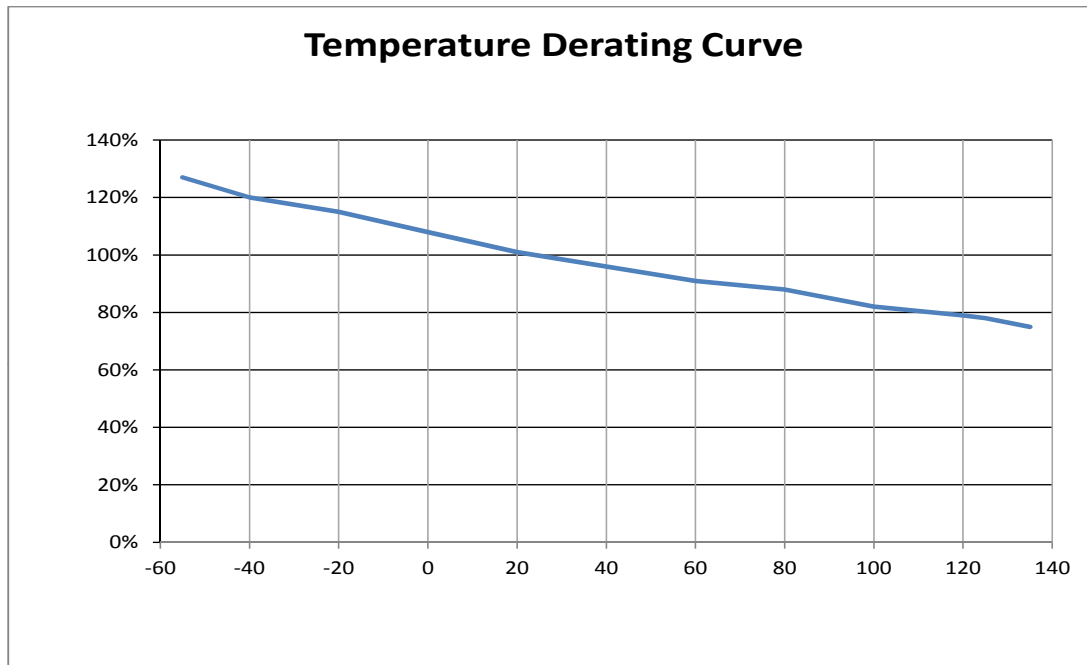




Electrical Characteristics at 25°C										Approvals							
Amp Code	Rated Current	Rated Voltage	Voltage Drop Max(mV)	Max Power Dissipation (mW)	Typical Cold Resistance (mΩ)	Nominal Melting I²T (A²sec)	Breaking Capacity	cURus	VDE	CCC	CQC	PSE	KC	TUV 250V	TUV 300V	BSI	SEMKO
0500	500mA	250VAC	190	310	185	1.76	100A@250V AC 160A@125V/250V AC	•	○	•	○	○	•	•	○	○	○

- Notes:**
1. Permissible continuous operating current is ≤100% at ambient temperature of 23°C (73.4°F)
 2. For certification, the cURus by 125/250/277V/300V/400V, the TUV by 250/300V; the CQC 500mA~10A by 300V, 12.5A; 16A by 250V, the others by 250V.
 3. The current values used for calculating I²T should be within the standard range of 8ms ~ 10ms.

Temperature Derating Curve



$$\text{Calculation for ideal fuse selection} = \frac{\text{Operating Current (A)}}{\text{Rating (\%} \times 0.75)}$$



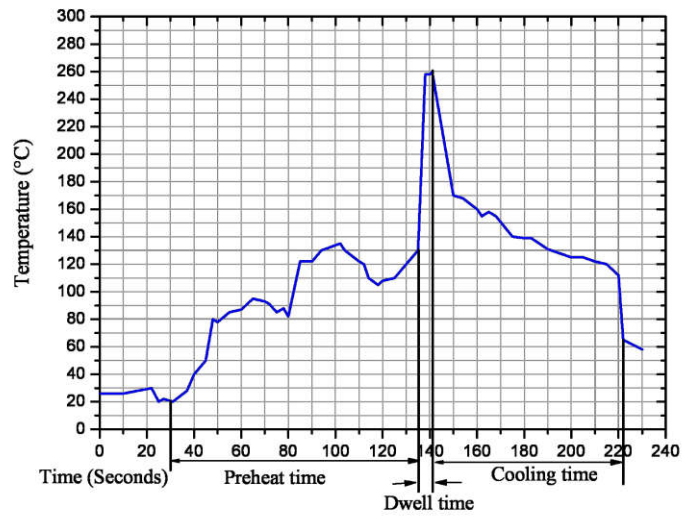
7.SOLDERING PARAMETERS

260±5°C.≤5 sec (Wave Soldering)

350°C.≤3 sec (Hand Soldering)

Soldering Peak:

260±5°C - 10 sec (IEC 60068-20)



8.ORDERING INFORMATION

The following information are necessary in order to place your order with us correctly:

Series	Amp Code	Supplementary Code	Qty
932			



8.PACKING INFORMATION

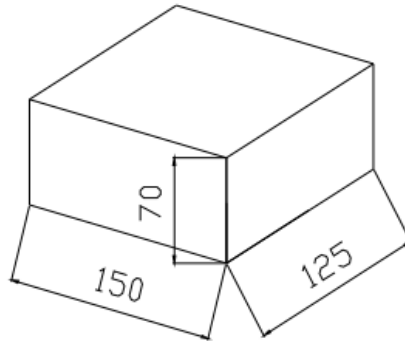
Taping detail

Unit:mm

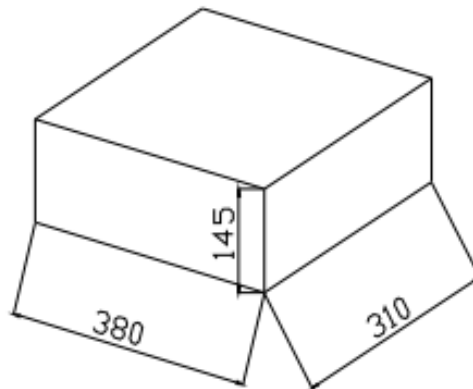
Plastic bag:135*196*0.07



1000pcs per Inner box



10 Inner boxes per out box



Net Weight (1000pcs)	0.54Kg	Master Carton Weight	6.10Kg
Qty Per Box	1000pcs	Qty Per Carton	10000pcs

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东莞市贝特电子科技股份有限公司

Room 601 of 16 Block, Xinzhu Yuan, No.4, Xinzhu Road, Songshanlake Hightech Industrial Development Zone, Dongguan City, Guangdong P.R.C
中国广东省东莞市松山湖国家高新技术产业开发区新竹路4号新竹苑16座办公601

Tel: +86 769-2307 8212 Fax: +86 769-8352 1857

Web: www.betterfuse.com

Email: info@betterfuse.com