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更好的电路安全卫士!
You build electronics, We safeguard them!

承 认 书

APPROVAL SHEET

编 号 No.

日期 Date

客 户
Customer品 名
Product

Time-Lag Subminiature fuse

系 列
Series

332

料号 Part No.

规格描述 Specification

备注 Remark

贝特电子
Betterfuse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审 核
Check确 认
Approval

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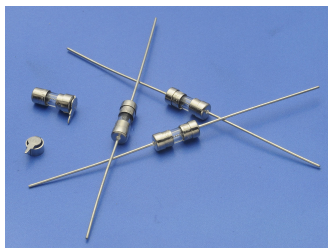
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1	2012.11.20	Draft	8	A/0	Runsong Zhong	Lianghua Guo
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4	2015.08.04	Update UR certification		B/2	Jeffery	Gem Guo
5	2015.12.12	Update PSE certification		B/3	Jeffery	Lin Gao
6	2018.05.31	Update TUV certification		B/4	J.Q.	Fei Gao
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1. SCOPE AND DESCRIPTION



Following electronic product specifications apply to fuses of the 332 series. The 332 series is a time-lag type subminiature fuse for over-current protection.

With its low breaking capacity, this fuse series is ideal for applications like lighting, power supplies and power adapters to provide excellent protection for components and circuits.

2. GENERAL INFORMATION

General Description

The 332 series time-lag fuse with low breaking capacity for use with printed circuit boards is used in a large variety of applications. The 3.6x10mm device is constructed of a glass tube with electro-plated brass end caps. The 332 series with 250 VAC rating and 35A or 10In (10 times of rated current) breaking capacity, offers excellent quality and is 100% tested for cold resistance and precise length.

Detailed Features

- Subminiature fuse with time-lag, low breaking capacity
- 3.6mm x 10mm physical dimensions
- Glass tube, encapsulated design with nickel - plated brass end caps
- Optional axial leads are $\Phi 0.65\text{mm}$ @ 250mA~7A and $\Phi 0.8\text{mm}$ @ 8A~10A
- Protection against harmful over-currents in primary and secondary applications
- Lead-free, Halogen-free, RoHS compliant
- Designed compliant to IEC 60127-3/IV

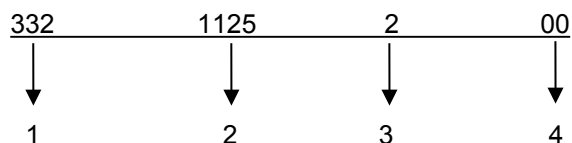
3. AGENCY APPROVALS

Agency	Agency File Number	Ampere/ Voltage Range
	E300003	125VAC/ 250VAC; 250mA~10A
	PSE15020940	250V: 1A; 1.25A; 1.6A; 2A; 2.5A; 3.15A; 4A; 5A
	CQC07012019319 CQC12012080426 CQC11012066015	250V: 500mA; 630mA; 1A; 1.25A; 1.6A; 2A; 2.5A; 3.15A; 4A; 5A; 6.3A 250V: 800mA 250V: 8A
	J 50158950	250V AC: 250mA; 315mA; 400mA; 500mA; 630mA; 800mA; 1A; 1.25A; 1.6A; 2A; 2.5A; 3A; 3.15A; 4A; 5A; 6.3A

4. PART NUMBERING SYSTEM

4.1 Part Number

Example: 3321125200

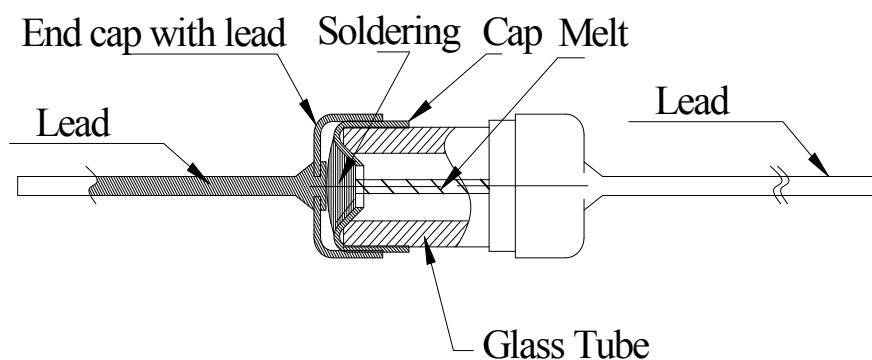
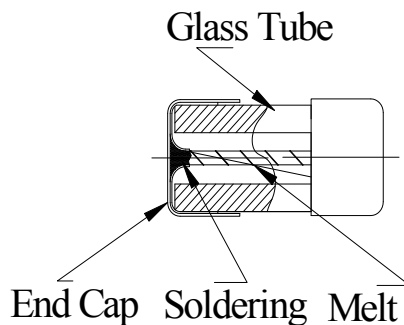


1	Product Series	332
2	Ampere Rating/ Code	1.25A (see table 4.2 below)
3	Voltage Rating	2 – 250V 1 – 125V
4	Packaging Code	Complement code

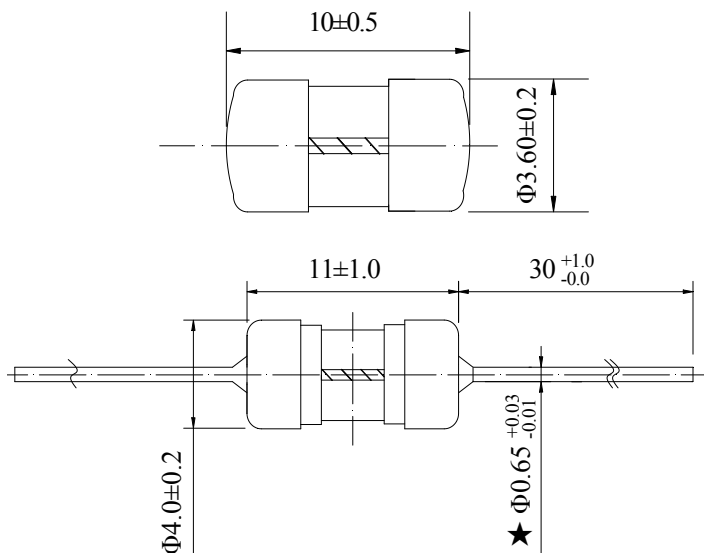
4.2. Ampere Rating Table

AMP CODE	CURRENT RATING	VOLTAGE RATING
0250	250mA	125V/250V
0300	300mA	125V/250V
0315	315mA	125V/250V
0350	350mA	125V/250V
0375	375mA	125V/250V
0400	400mA	125V/250V
0500	500mA	125V/250V
0630	630mA	125V/250V
0750	750mA	125V/250V
0800	800mA	125V/250V
1100	1.00A	125V/250V
1125	1.25A	125V/250V
1150	1.50A	125V/250V
1160	1.60A	125V/250V
1200	2.00A	125V/250V
1250	2.50A	125V/250V
1300	3.00A	125V/250V
1315	3.15A	125V/250V
1350	3.50A	125V/250V
1400	4.00A	125V/250V
1500	5.00A	125V/250V
1630	6.30A	125V/250V
1700	7.00A	125V/250V
1800	8.00A	125V/250V
2100	10.00A	125V/250V

5. MECHANICAL SPECIFICATIONS



Dimensions (units: mm)



★:
250mA~7A : $\Phi 0.65$ mm
8A~10A : $\Phi 0.80$ mm

Operating Temperature:

-55°C to 125°C

Storage Conditions:

+10°C to +60°C

Relative humidity: $\leq 75\%$ 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

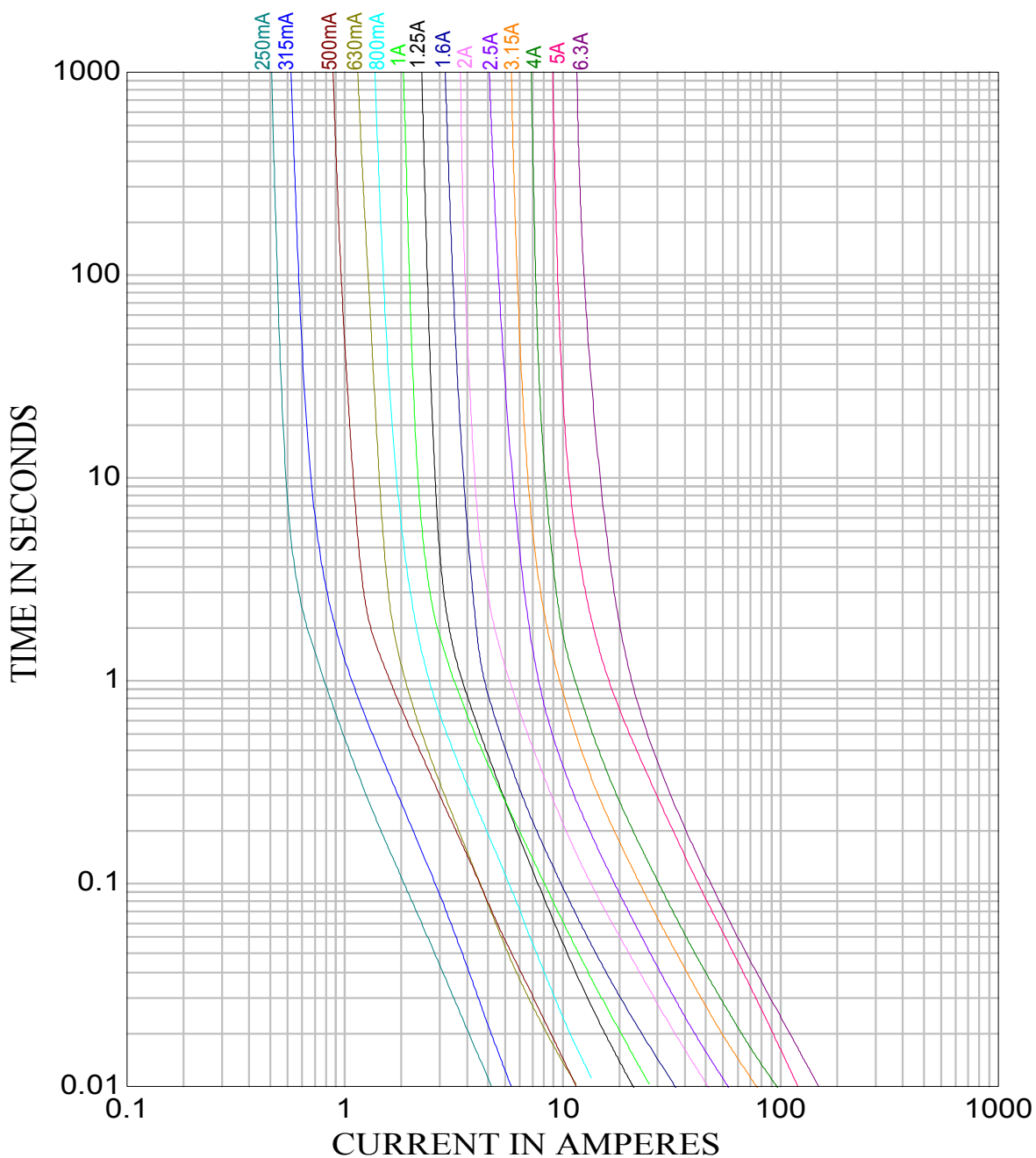
Time vs Current Characteristics Table

(measured with constant current power supply)

Time vs Current Characteristics: IEC-60127-3/IV					
Rated current	150%	210%	275%	400%	1000%
250mA~10A	>1h	<2min	400ms~10s	150ms~3s	20ms~150ms

Average Time Current (I-T) Curves

Average Time Current (I-T Curves)

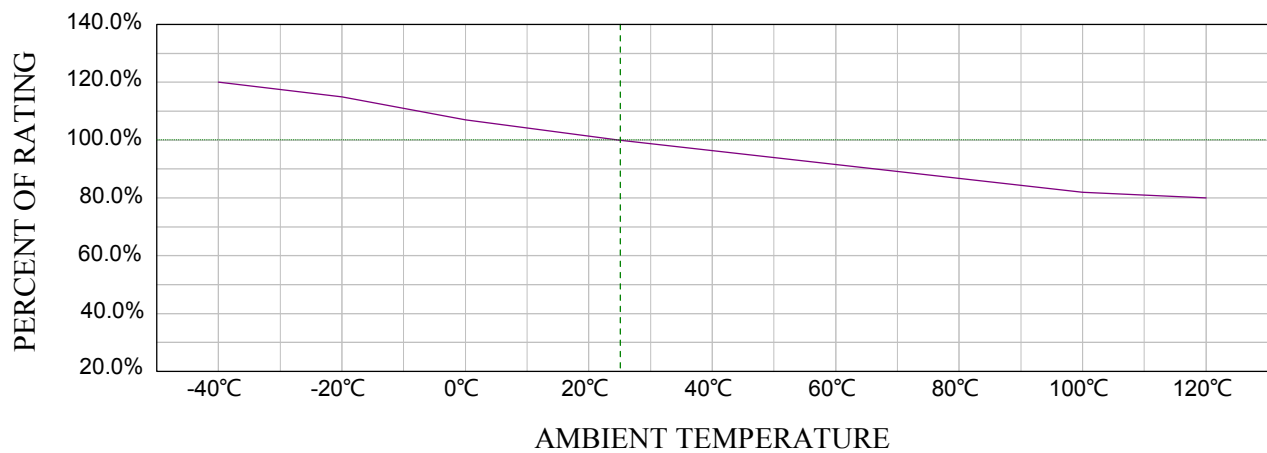


Electrical characteristics

Electrical Characteristics										
Amp Code	Rated Current	Voltage drop Max (mV)	Power Dissipation max (mW)	Nominal Melting I²t(A²sec)	Breaking Capacity	Approvals				
						PSE	TUV	CQC	cURus	
						250V	250V	250V	125V	250V
0250	250mA	240	220	0.221	50A/125V AC 35A or 10In/250VAC 50-60Hz Cosφ=1.0	○	●	○	●	●
0300	300mA	230	250	0.292		○	○	○	●	●
0315	315mA	220	250	0.336		○	●	○	●	●
0350	350mA	210	250	0.397		○	○	○	●	●
0375	375mA	210	280	0.456		○	○	○	●	●
0400	400mA	200	280	0.722		○	●	○	●	●
0500	500mA	190	310	1		○	●	●	●	●
0630	630mA	180	360	1.35		○	●	●	●	●
0750	750mA	170	430	1.82		○	○	○	●	●
0800	800mA	160	430	1.56		○	●	●	●	●
1100	1.00A	140	500	6.5		●	●	●	●	●
1125	1.25A	130	600	4.62		●	●	●	●	●
1150	1.50A	120	730	10.6		○	○	○	●	●
1160	1.60A	120	730	10.9		●	●	●	●	●
1200	2.00A	100	870	20.3		●	●	●	●	●
1250	2.50A	100	1000	32.5		●	●	●	●	●
1300	3.00A	100	1200	59.3		○	●	○	●	●
1315	3.15A	100	1200	74.52		●	●	●	●	●
1350	3.50A	100	1200	90.3		○	○	○	●	●
1400	4.00A	100	1400	94.1		●	●	●	●	●
1500	5.00A	100	1400	121		●	●	●	●	●
1630	6.30A	100	1400	225		○	●	●	●	●
1700	7.00A	100	1400	110		○	○	○	●	●
1800	8.00A	100	1400	121		○	○	●	●	●
2100	10.00A	100	1400	196	50A/125V/250V AC	○	○	○	●	●

Temperature Derating Curve

Temperature Derating Curve



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

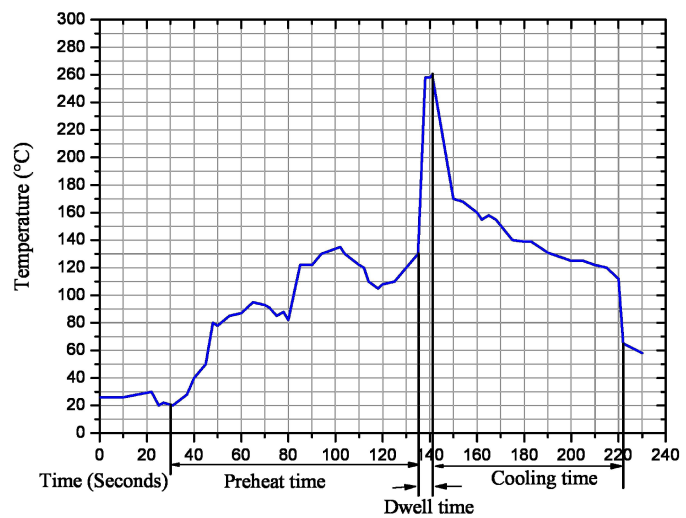
7. SOLDERING PARAMETERS

260°C. ≤5 sec (Wave Soldering)

350°C. ≤3 sec (Hand Soldering)

Soldering Peak:

260°C - 10 sec (IEC 60068-20)



8. ORDERING INFORMATION

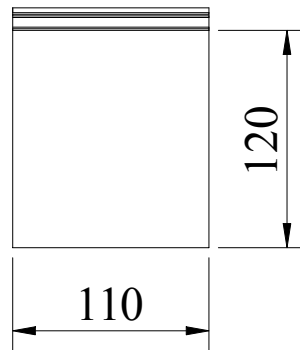
The following information are necessary in order to place your order with us correctly:

Series No.	Amp Code	Packaging Code	Quantity	Purchase Order No.
332				

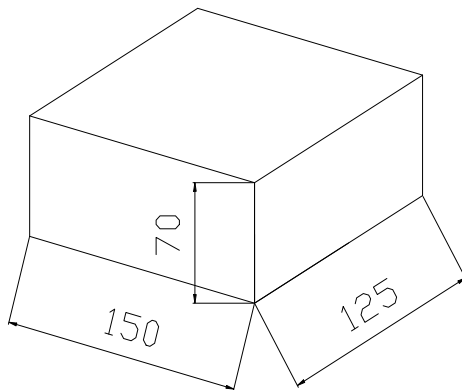
9. PACKING INFORMATION

Packing details

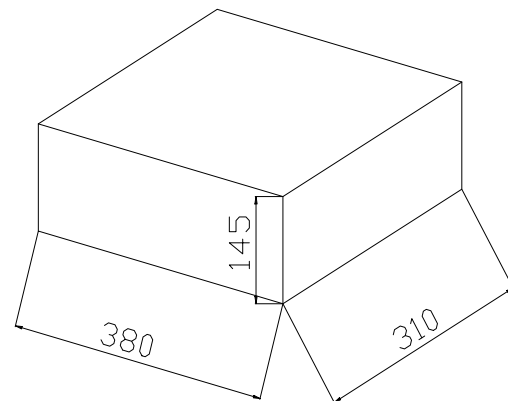
Plastic bag



Inner Box



Master Carton



Net Weight (200pcs/bag)	48g	Inner box weight	280g	Master Carton Weight	3.9kg
Qty per bag	200pcs	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

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Email: info@betterfuse.com

10. APPENDIX



ONLINE CERTIFICATIONS DIRECTORY

JDYX2.E300003 Fuses, Supplemental - Component

[Page Bottom](#)

Fuses, Supplemental - Component

[See General Information for Fuses, Supplemental - Component](#)

DONGGUAN BETTER ELECTRONICS TECHNOLOGY CO LTD

E300003

RM 601 OF 16 BLK

XINZHUYUAN NO 4 XINZHU RD

SONGSHANLAKE HIGHTECH INDUSTRIAL DEVELOPMENT ZONE

DONGGUAN, GUANGDONG 523808 CHINA

Supplemental fuses: pigtail leads

Cat. No.	Size mm(in)	Amps (A)	Volts (V)	Interrupting Rating (A)
316	3.9 x 12 (0.15 x 0.47)	0.25 - 10	250Vac	150
		0.25 - 10	350Vac	100
331	3.9 x 11.0 (0.15 x 0.43)	0.25 - 10	125Vac	50
		0.25 - 10	250Vac	50
332	3.9 x 11 (0.15 x 0.43)	0.25 - 10.0	125Vac	50
		0.25 - 10.0	250Vac	50
334	3.9 x 11 (0.15 x 0.43)	0.25 - 10.0	125Vac	50
		0.25 - 10.0	250Vac	50

Marking: Company name and model designation.

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申请人名称及地址

东莞市贝特电子科技股份有限公司
东莞市松山湖高新技术产业开发区新竹路4号新竹苑16座办公601

制造商名称及地址

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生产企业名称及地址

东莞市贝特电子科技股份有限公司 (V003591)
东莞市寮步镇横坑南门村第二工业区C座、B座

产品名称和系列、规格、型号

超小型熔断体

332 T500mAL250V, 332 T630mAL250V, 332 T1AL250V, 332 T1.25AL250V, 332 T1.6AL250V, 332 T2AL250V, 332 T2.5AL250V, 332 T3.15AL250V, 332 T4AL250V, 332 T5AL250V, 332 T6.3AL250V

产品标准和技术要求

GB9364.1-1997 GB9364.3-1997 CQC11-462125-2009附件2

认证模式

产品型式试验+初次工厂检查+获证后监督

上述产品符合CQC11-462125-2009认证规则的要求, 特发此证。

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本证书为变更证书, 证书首次颁发日期: 2007年03月12日

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<http://www.cqc.com.cn>

C 0064751



PRODUCT CERTIFICATE

No.: CQC07012019319

NAME AND ADDRESS OF THE APPLICANT

Dongguan Better Electronics Technology Co., Ltd.
Room 601 of 16 Block, Xinzhu Yuan, No. 4 Xinzhu Road, Songshan Lake Hightech Industrial Development
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Room 601 of 16 Block, Xinzhu Yuan, No. 4 Xinzhu Road, Songshan Lake Hightech Industrial Development
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NAME AND ADDRESS OF THE FACTORY

Dongguan Better Electronics Technology Co., Ltd. (V003591)
Nanmen Village, Hengken Administrative Zone Liao Bu Town, Dongguan, Guangdong

NAME, MODEL AND SPECIFICATION

Sub-miniature fuse-links

332 T500mA L250V, 332 T630mA L250V, 332 T1A L250V, 332 T1.25A L250V, 332 T1.6A L250V, 332 T2A L250V, 332
T2.5A L250V, 332 T3.15A L250V, 332 T4A L250V, 332 T5A L250V, 332 T6.3A L250V

THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS

GB9364.1-1997 GB9364.3-1997 CQC11-462125-2009 附件2

CERTIFICATION MODEL

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Date of issue: Nov.27,2014

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Date of original certification: Mar.12,2007

President:

Wang Kejiao



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产品认证证书

证书编号: CQC12012080426

申请人名称及地址

东莞市贝特电子科技股份有限公司
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东莞市寮步镇横坑南门村第二工业区C座、B座

产品名称和系列、规格、型号

超小型熔断体

332 T800mAL250V

产品标准和技术要求

GB9364.1-1997 GB9364.3-1997 CQC11-462125-2009附件2

认证模式

产品型式试验+初次工厂检查+获证后监督

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Nanmen Village, Hengkeng Administrative Zone Liao Bu Town, Dongguan, Guangdong, China.

NAME, MODEL AND SPECIFICATION

Sub-miniature Fuse-link

332 T800mAL250V

THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS

GB9364.1-1997 GB9364.3-1997 CQC11-462125-2009 附件2

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Date of original certification: Sep.03,2012

President:


Wang Kejiao



CHINA QUALITY CERTIFICATION CENTRE

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产品认证证书

证书编号: CQC11012066015

申请人名称及地址

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东莞市寮步镇横坑南门村第二工业区C座、B座

产品名称和系列、规格、型号

超小型熔断体

332 T8A250V

产品标准和技术要求

GB9364.1-1997 GB9364.3-1997 CQC11-462125-2009附件2

认证模式

产品型式试验+初次工厂检查+获证后监督

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C 0062595



PRODUCT CERTIFICATE

No.: CQC11012066015

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NAME AND ADDRESS OF THE FACTORY

Dongguan Better Electronics Technology Co., Ltd. (V003591)
NanMen Village, HengKeng Administrative Zone LiaoBu Town, Dongguan, Guangdong, China.

NAME, MODEL AND SPECIFICATION

Sub-miniature Fuse-links

332 T8A250V

THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS

GB9364.1-1997 GB9364.3-1997 CQC11-462125-2009附件2

CERTIFICATION MODEL

Type Testing of Product + Initial Factory Inspection + Follow up Factory Inspection

This is to certify that the above mentioned products have met the requirements of certification rules
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certification body until the expiry date.

Date of original certification: Dec.16,2011

President:

Wang Kejiao



CHINA QUALITY CERTIFICATION CENTRE

Section 9, No.188, Nansihuan Xilu, Beijing 100070 P.R.China
<http://www.cqc.com.cn>

C 0062595



適合証明書

証明書番号 Certificate No.
PSE15020940

Certificate of Conformity

申請者照会番号 Applicant Reference
CJP2015102004-1201

発行年月日 Date of Issue
2015 年 11 月 18 日

申請者 Applicant
DONGGUAN BETTER ELECTRONICS
TECHNOLOGY CO.,LTD
ROOM 601 OF 16 BLOCK, XINZHUYUAN, NO 4,
XINZHU ROAD, SONGSHANLAKE HIGHTECH
INDUSTRIAL DEVELOPMENT ZONE,
DONGGUAN CITY, GUANGDONG PROVINCE,
P.R.CHINA 523808

製造工場 Factory
DONGGUAN BETTER ELECTRONICS
TECHNOLOGY CO.,LTD
NANMEN VILLAGE, HENGKENG
ADMINISTRATIVE ZONE LIAOBU TOWN,
DONGGUAN, GUANGDONG, P.R.CHINA 523413



検査の方法 Standard for Certificate

- 電気用品の技術基準の解釈 別表第十二 国際規格等に準拠した基準
J60127-1(H26); J60127-3(H20)
- 施行規則別表第四
Appendix 4 of the Enforcement Regulations

特定電気用品名 :
Name of Specified Electrical
Appliance and Material
型式の区分 :
Type Classification
モデル名 :

その他の包装ヒューズ
Other enclosed fuses

(「添付書類」参照)
(Refer to Attachment)

332 T1AL250V, 332 T1.25AL250V, 332 T1.6AL250V, 332 T2AL250V,
332 T2.5AL250V, 332 T3.15AL250V, 332 T4AL250V, 332 T5AL250V

Model

製造事業者 :
Manufacturer

DONGGUAN BETTER ELECTRONICS TECHNOLOGY CO.,LTD

証明書の有効期間 :
Validity of Certificate

2022 年 11 月 17 日までに有効です。
This certificate is expired on Nov. 17th, 2022

これは、上記申請者より申請のあった上記特定電気用品及び製造工場が、電気用品安全法第八条第一項に規定する技術基準及び同法第九条第二項の経済産業省令で定める基準に適合していることを証明するものです。

This is to certify that the above-mentioned Specified Electrical Appliances and Materials and the factory which the above-mentioned applicant applied for have been complied with the Technical Requirements stipulated by Article 8, Paragraph 1 of the Electrical Appliance and Material Safety Law and the requirements stipulated by the METI Ordinance specified in Article 9, paragraph 2 of the said law.

中国品質認証センター
CHINA QUALITY
CERTIFICATION CENTRE

氏名
Name

発行者
Issued by



中国100070北京市南四环西路188号9区
Section 9, No.188, Nansihuan Xilu, Beijing 100070, China

PJ 0004160



適合証明書

Certificate of Conformity

添付書類 Attachment 1

証明書番号(Certificate No.) :
PSE15020940

発行日 Date of Issue :
2015 年 11 月 18 日

【 型式の区分 Type Classification 】

特定電気用品 :
(Name of Specified Electrical Appliance and Material)

その他の包装ヒューズ
Other enclosed fuses

要素	区分
定格電圧	(1) 125V以下のもの (2) 125Vを超えるもの
定格電流 (定格電流表示のあるものの場合に限る。)	(1) 5A以下のもの (2) 5Aを超え15A以下のもの (3) 15Aを超え30A以下のもの (4) 30Aを超え60A以下のもの (5) 60Aを超え100A以下のもの (6) 100Aを超えるもの
適用電動機の定格容量 (定格電流表示のないものの場合に限る。)	(1) 単相で200W以下のもの (2) 単相で200Wを超え400W以下のもの (3) 単相で400Wを超え750W以下のもの (4) 単相で750Wを超えるもの (5) 3相で750W以下のもの (6) 3相で750Wを超え2.2kW以下のもの (7) 3相で2.2kWを超え3.7kW以下のもの (8) 3相で3.7kWを超え7.5kW以下のもの (9) 3相で7.5kWを超えるもの
可溶体の主材料	(1) 銀のもの (2) アルミニウムのもの (3) 亜鉛のもの (4) 鉛のもの (5) 銅のもの (6) その他のもの

中国品質認証センター
CHINA QUALITY
CERTIFICATION CENTRE

氏 名
Name

発行者
Issued by



中国100070北京市南四環西路188号9区

Section 9, No.188, Nansihuan Xilu, Beijing 100070, China



適合証明書

Certificate of Conformity

添付書類 Attachment 2

証明書番号(Certificate No.) :
PSE15020940

発行日 Date of Issue :
2015 年 11 月 18 日

【 型式の区分 Type Classification 】

特定電気用品 :

(Name of Specified Electrical Appliance and Material)

その他の包装ヒューズ

Other enclosed fuses

可溶体の数	(1) 1のもの (2) 2以上のもの
再使用 (管形ヒューズを除く。)	(1) できるもの (2) できないもの
内部充てん物	(1) あるもの (2) ないもの
筒 (内筒を除く。) の材料	(1) フェノール樹脂のもの (2) ファイバーのもの (3) 磁器のもの又はガラスのもの (4) ポリエステル樹脂のもの (5) メラミン樹脂のもの (6) ユリア樹脂のもの (7) その他のもの
端子	(1) 刃形のもの (2) 筒形のもの (3) 締付け形のもの (4) リード線付きのもの (5) その他のもの
排気孔	(1) あるもの (2) ないもの
溶断の表示	(1) あるもの (2) ないもの
用途	(1) 電動機用のもの (2) 電子機器用のもの (3) 短絡保護専用のもの (4) その他のもの

中国品質認証センター
CHINA QUALITY
CERTIFICATION CENTRE

氏 名
Name

発行者
Issued by



中国100070北京市南四环西路188号9区

Section 9, No.188, Nansihuan Xilu, Beijing 100070, China



適合証明書

Certificate of Conformity

添付書類 Attachment 3

証明書番号(Certificate No.) :
PSE15020940

発行日 Date of Issue :
2015 年 11 月 18 日

【 型式の区分 Type Classification 】

特定電気用品 :

(Name of Specified Electrical Appliance and Material)

その他の包装ヒューズ

Other enclosed fuses

定格遮断電流

- | | |
|------|------------------------|
| (1) | 100A以下のもの |
| (2) | 100Aを超え300A以下のもの |
| (3) | 300Aを超え500A以下のもの |
| (4) | 500Aを超え1,000A以下のもの |
| (5) | 1,000Aを超え1,500A以下のもの |
| (6) | 1,500Aを超え2,500A以下のもの |
| (7) | 2,500Aを超え5,000A以下のもの |
| (8) | 5,000Aを超え7,500A以下のもの |
| (9) | 7,500Aを超え10,000A以下のもの |
| (10) | 10,000Aを超え15,000A以下のもの |
| (11) | 15,000Aを超え20,000A以下のもの |
| (12) | 20,000Aを超え25,000A以下のもの |
| (13) | 25,000Aを超え30,000A以下のもの |
| (14) | 30,000Aを超えるもの |

中国品質認証センター
CHINA QUALITY
CERTIFICATION CENTRE

氏 名
Name

発行者
Issued by



中国100070北京市南四環西路188号9区

Section 9, No.188, Nansihuan Xilu, Beijing 100070, China

Zertifikat

mit überwachter Konformität

Certificate

of surveyed conformity



Zertifikat Nr. *Certificate No.*
J 50158950

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0001

Ihr Zeichen *Client Reference*

Unser Zeichen *Our Reference*
05-JP- 16016423 001

Ausstellungsdatum
06.07.2009

Date of Issue
(day/month/year)

Genehmigungsinhaber *License Holder*

Dongguan Better Electronics
Technology Co., Ltd.
Nanmen Village, Hengken
Administrative Zone, Liaobu Town
Dongguan, Guangdong
P.R. China

Fertigungsstätte *Manufacturing Plant*

Dongguan Better Electronics
Technology Co., Ltd.
Nanmen Village, Hengken
Administrative Zone, Liaobu Town
Dongguan, Guangdong
P.R. China

Prüfzeichen *Test Mark*

Geprüft nach *Tested acc. to*
EN 60127-1:2006
EN 60127-3:1996+A2



Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

(Sub-miniature Fuse-link)

Type Designation : 332

5

Rated Voltage : AC 250V; 50/60Hz

Rated Current (In) : 1A, 2A

Time/Current Characteristic: T

Rated Breaking Capacity : 35A

Dimension : 4.1mmx11mm

Remark:

The requirements of standard sheet 4 were taken into consideration.

The labelling requirements acc. to EU Directive 2001/95 have to be observed for distribution within the EEA.

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ANLAGE (Appendix): 1



Zertifizierungsstelle

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product fulfills above-mentioned requirements, the production is subject to surveillance.

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln

Dipl.-Ing. (FH) T. Zimmer

Zertifikat

mit überwachter Konformität

Certificate

of surveyed conformity



Zertifikat Nr. *Certificate No.*
J 50158950

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0002

Ihr Zeichen *Client Reference*

Unser Zeichen *Our Reference*

Ausstellungsdatum

Date of Issue
(day/month/year)

05-JP- 16016423 002

11.12.2009

Genehmigungsinhaber *License Holder*

Dongguan Better Electronics
Technology Co., Ltd.
Nanmen Village, Hengken
Administrative Zone, Liaobu Town
Dongguan, Guangdong
P.R. China

Fertigungsstätte *Manufacturing Plant*

Dongguan Better Electronics
Technology Co., Ltd.
Nanmen Village, Hengken
Administrative Zone, Liaobu Town
Dongguan, Guangdong
P.R. China

Prüfzeichen *Test Mark*

Geprüft nach *Tested acc. to*

EN 60127-1:2006

EN 60127-3:1996+A2



Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

(Sub-miniature Fuse-link)

as page 0001

Addition

Rated Current (In) : 500mA, 630mA, 800mA, 1.6A,
2.5A, 3.15A, 4A, 5A, 6.3A

Remark:

The requirements of standard sheet 4 were taken into consideration.

The labelling requirements acc. to EU Directive 2001/95 have to be observed for distribution within the EEA.



Zertifizierungsstelle

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety

Dipl.-Ing. (FH) T. Zimmer

Zertifikat

mit überwachter Konformität

Certificate

of surveyed conformity



Zertifikat Nr. *Certificate No.*
J 50158950

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0003

Ihr Zeichen *Client Reference*

Unser Zeichen *Our Reference*

Ausstellungsdatum

Date of Issue
(day/mo/yr)

05-YW- 16016423 003

31.10.2012

Genehmigungsinhaber *License Holder*

Dongguan Better Electronics
Technology Co., Ltd.
Nanmen Village, Hengken
Administrative Zone, Liaobu Town
Dongguan, Guangdong
P.R. China

Fertigungsstätte *Manufacturing Plant*

Dongguan Better Electronics
Technology Co., Ltd.
Nanmen Village, Hengken
Administrative Zone, Liaobu Town
Dongguan, Guangdong
P.R. China

Prüfzeichen *Test Mark*

Geprüft nach *Tested acc. to*

EN 60127-1:2006

EN 60127-3:1996+A2



Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

(Sub-miniature Fuse-link)

as pages 0001-0002

Addition

Rated Current (In) : 250mA, 315mA, 400mA, 1.25A

Remark:

The requirements of standard sheet 4 were taken into consideration.

The labelling requirements acc. to EU Directive 2001/95 have to be observed for distribution within the EEA.

ANLAGE (Appendix): 1.1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg
Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com
Fax: +49 221 806-3935 http://www.tuv.com/safety

Zertifizierungsstelle



Dipl.-Ing. (FH) T. Zimmer

Zertifikat

mit überwachter Konformität

Certificate

of surveyed conformity



Zertifikat Nr. Certificate No.
J 50158950

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0004

Ihr Zeichen Client Reference

Unser Zeichen Our Reference

Ausstellungsdatum

Date of Issue
(day/mo/yr)

05-YFC- 16016423 004

17.02.2014

Genehmigungsinhaber License Holder

Dongguan Better Electronics
Technology Co., Ltd.
Nanmen Village, Hengken
Administrative Zone, Liaobu Town
Dongguan, Guangdong
P.R. China

Fertigungsstätte Manufacturing Plant

Dongguan Better Electronics
Technology Co., Ltd.
Nanmen Village, Hengken
Administrative Zone, Liaobu Town
Dongguan, Guangdong
P.R. China

Prüfzeichen Test Mark



Geprüft nach Tested acc. to

EN 60127-1:2006+A1

EN 60127-3:1996+A2

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

(Sub-miniature Fuse-link)

as pages 0001-0003

Change

Test Requirement : see above

Remark:

The requirements of standard sheet 4 were taken into consideration.

The labelling requirements acc. to EU Directive 2001/95 have to be observed for distribution within the EEA.



Zertifizierungsstelle

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg
Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com
Fax: +49 221 806-3935 http://www.tuv.com/safety

G. Yin

Zertifikat

mit überwachter Konformität

Certificate

of surveyed conformity



Zertifikat Nr. Certificate No.
J 50158950

Blatt Page
0005

Ihr Zeichen Client Reference

Unser Zeichen Our Reference

Ausstellungsdatum

Date of Issue
(day/mo/yr)

05-YFC- 16016423 005

11.05.2017

Genehmigungsinhaber License Holder

Dongguan Better Electronics
Technology Co., Ltd.
Nanmen Village, Hengkeng
Administrative Zone, Liaobu Town
Dongguan, Guangdong
P.R. China

Fertigungsstätte Manufacturing Plant

Dongguan Better Electronics
Technology Co., Ltd.
Nanmen Village, Hengkeng
Administrative Zone, Liaobu Town
Dongguan, Guangdong
P.R. China

Prüfzeichen Test Mark



Geprüft nach Tested acc. to

EN 60127-1:2006+A1+A2
EN 60127-3:2015

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

(Sub-miniature Fuse-link)

as pages 0001-0004

Change

Test Requirement : see above

Remark:

The requirements of standard sheet 4 were taken into consideration.

The labelling requirements acc. to EU Directive 2001/95 have to be observed for distribution within the EEA.

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg
Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com
Fax: +49 221 806-3935 http://www.tuv.com/safety



Zertifikat
mit überwachter Konformität

Certificate
of surveyed conformity



Zertifikat Nr. Certificate No.
J 50158950

Blatt Page
0006

Ihr Zeichen Client Reference

Unser Zeichen Our Reference

05-YFC- 16016423 006

Ausstellungsdatum

25.05.2018

Date of Issue
(day/mo/yr)

Genehmigungsinhaber License Holder

Dongguan Better Electronics
Technology Co., Ltd.
Nanmen Village, Hengkeng
Administrative Zone, Liaobu Town
Dongguan, Guangdong
P. R. China

Fertigungsstätte Manufacturing Plant

Dongguan Better Electronics
Technology Co., Ltd.
Nanmen Village, Hengkeng
Administrative Zone, Liaobu Town
Dongguan, Guangdong
P. R. China

Prüfzeichen Test Mark



Geprüft nach Tested acc. to

EN 60127-1:2006+A1+A2
EN 60127-3:2015

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

(Sub-miniature Fuse-link)

as pages 0001-0005

Addition

Rated Current (In) : 3A

Remark:

The requirements of standard sheet 4 were taken into consideration.

The labelling requirements acc. to EU Directive 2001/95 have to be observed for distribution within the EEA.

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.

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