



# 承 认 书

## APPROVAL SHEET

编号 No.	5241160200-C/1-B
日期 Date	2019.10.30

客 户 Customer	
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品 名 Product	Cartridge Fuse-link
系 列 Series	524 Series

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	YaLan Wang		
审 核 Check	Fei Gao		
确 认 Approval	Jun Li		

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!			



Document Record						
No.	Date	Modified Content	Page	Edition	Prepared/modified by	Checked by
1	2012.11.25	Draft	8	A/0	Runsong Zhong	Lianghua Guo
2	2014.07.28	Release Edition	8	B/0	Kings Luo	Wenhua Yan
3	2015.05.05	Lead standard length: 38mm change as 30mm	4	B/1	Kings Luo	Wenhua Yan
4	2015.07.30	Update UR certification		B/2	Jeffery	Gem Guo
5	2015.12.12	Update PSE certification		B/3	Jeffery	Lin Gao
6	2017.06.26	Update KC certification		B/4	J.Q.	Wenhua Yan
7	2017.12.11	Update CQC,TUV,BSI, SEMKO cerification		B/5	J.Q.	Fei Gao
8	2018.03.05	Update VDE certification		C/0	J.Q.	Fei Gao
9	2019.10.30	Update CCC certification		C/1	YaLan Wang	Fei Gao
10						
11						
12						

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## 1. SCOPE AND DESCRIPTION



Following electronic product specifications apply to fuses of the 524 series. The 524 series is a Cartridge Fuse-link for over-current protection.

With its high breaking capacity the 524 fuse series is ideal for supplementary protection in electrical appliances and equipment to provide excellent protection for components or circuits.

## 2. GENERAL INFORMATION







### General Description

The 524 series time-lag fuse with high breaking capacity for use with printed circuit boards is used in a large variety of applications. This 5x20mm device is constructed of a ceramic tube with electro-plated brass end caps. The 524 series with 250 VAC rating and 1500 Ampere breaking capacity, offers excellent quality and is 100% tested for cold resistance and precise length.




### Detailed Features

- Miniature fuse with time-lag, high breaking capacity
- 5mm x 20mm physical dimensions
- Ceramic tube, encapsulated design with nickel - plated brass end caps
- Optional axial leads are  $\Phi 0.65\text{mm} \times 38\text{mm}$  @ 500mA~6.3A,  $\Phi 0.8\text{mm} \times 38\text{mm}$  @ 8A~12.5A;  $\Phi 1.0\text{mm} \times 38\text{mm}$  @ 15A~25A
- Protection against harmful over-currents in primary and secondary applications.
- Lead-free, Halogen-free, RoHS compliant
- Designed compliant to IEC 60127-2/V

## 3. AGENCY APPROVALS

Agency	Agency File Number	Ampere/ Voltage Range
	40025424 40020107	250V AC:500mA;630mA;800mA;1A;1.25A;1.6A;2A 2.5A;3.15A;4A;5A;6.3A 250V AC:8A;10A
	CQC17012183603	250V:12.5A;16A
	E300003	125V AC/250V AC:500mA~10A;12A~16A 20A~25A
	2008010207275342	250V:500mA;630mA;800mA;1A;1.25A;1.6A;2A 3.15A;4A;5A;6.3A;8A;10A
	PSE15020932 PSE15020935	250V:1A;1.25A;1.6A;2A;2.5A;3.15A;4A;5A; 250V:6.3A;8A;10A
	J 50157552	250V AC:315mA;400mA;12A;12.5A;15A;16A

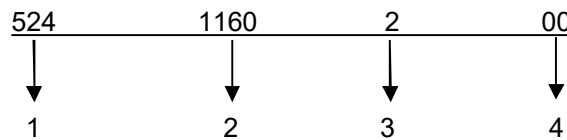


	SU05042-17003 SU05042-17004 SU05042-17005	250V AC: 8A;10A 250V AC: 3.15A;4A;5A;6.3A; 250V AC: 1A;1.25A;1.6A;2A;2.5A;
	KM677189	250V AC:1A;1.25A;1.6A;2A;2.5A;3.15A;4A; 5A;6.3A;8A;10A;
 Intertek	1715451	250V AC:1A;1.25A;1.6A;2A;2.5A;3.15A;4A; 5A;6.3A;8A;10A

## 4. PART NUMBERING SYSTEM

### 4.1 Part Number

Example: 5241160200



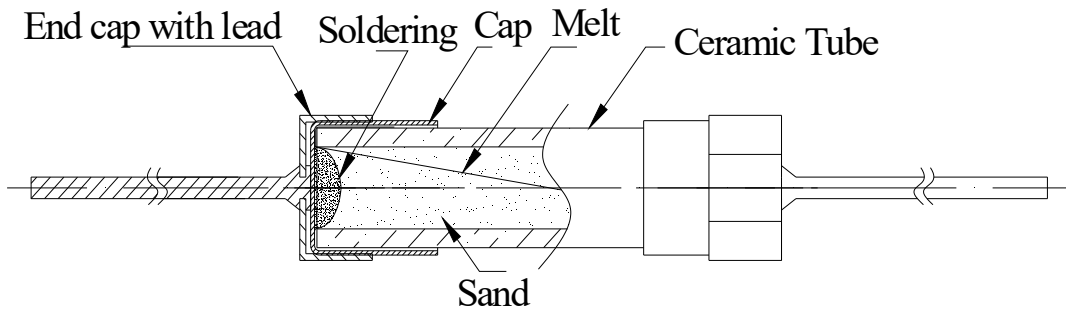
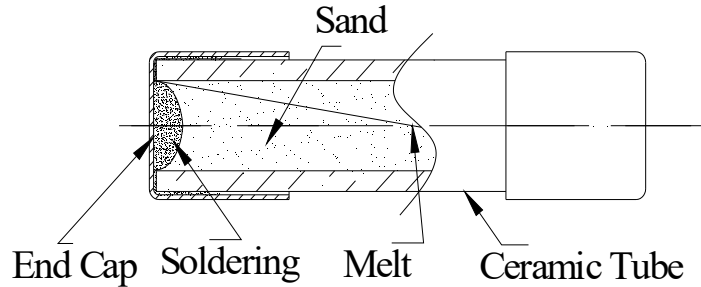
- |                              |                           |
|------------------------------|---------------------------|
| 1 .Product Series .....      | 524                       |
| 2 .Ampere Rating/ Code ..... | 1.6A (see table 4.2below) |
| 3 .Voltage Rating .....      | 2 – 250V<br>1 – 125V      |
| 4 .Packaging Code .....      | Complement code           |

### 4.2. Ampere Rating Table

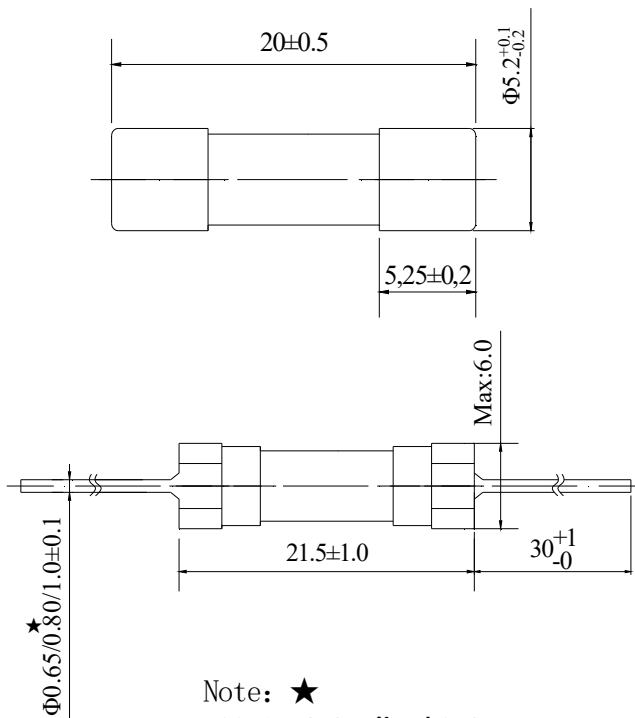
AMP CODE	CURRENT RATING	VOLTAGE RATING
0500	500mA	125V/250V
0630	630mA	125V/250V
0800	800mA	125V/250V
1100	1.A	125V/250V
1125	1.25A	125V/250V
1160	1.6A	125V/250V
1200	2A	125V/250V
1250	2.5A	125V/250V
1315	3.15A	125V/250V
1400	4A	125V/250V
1500	5A	125V/250V
1630	6.3A	125V/250V
1800	8A	125V/250V
2100	10A	125V/250V
2120	12A	125V/250V
2125	12.5A	125V/250V
2150	15A	125V/250V
2160	16A	125V/250V
2200	20A	125V/250V
2250	25A	125V/250V



**5. MECHANICAL SPECIFICATIONS**



**Dimensions (units: mm)**



Note: ★  
 500mA~6.3A \*\* Φ0.65mm  
 8.0A~12.5A \*\* Φ0.80mm  
 15A~25A \*\* Φ1.00mm

**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**

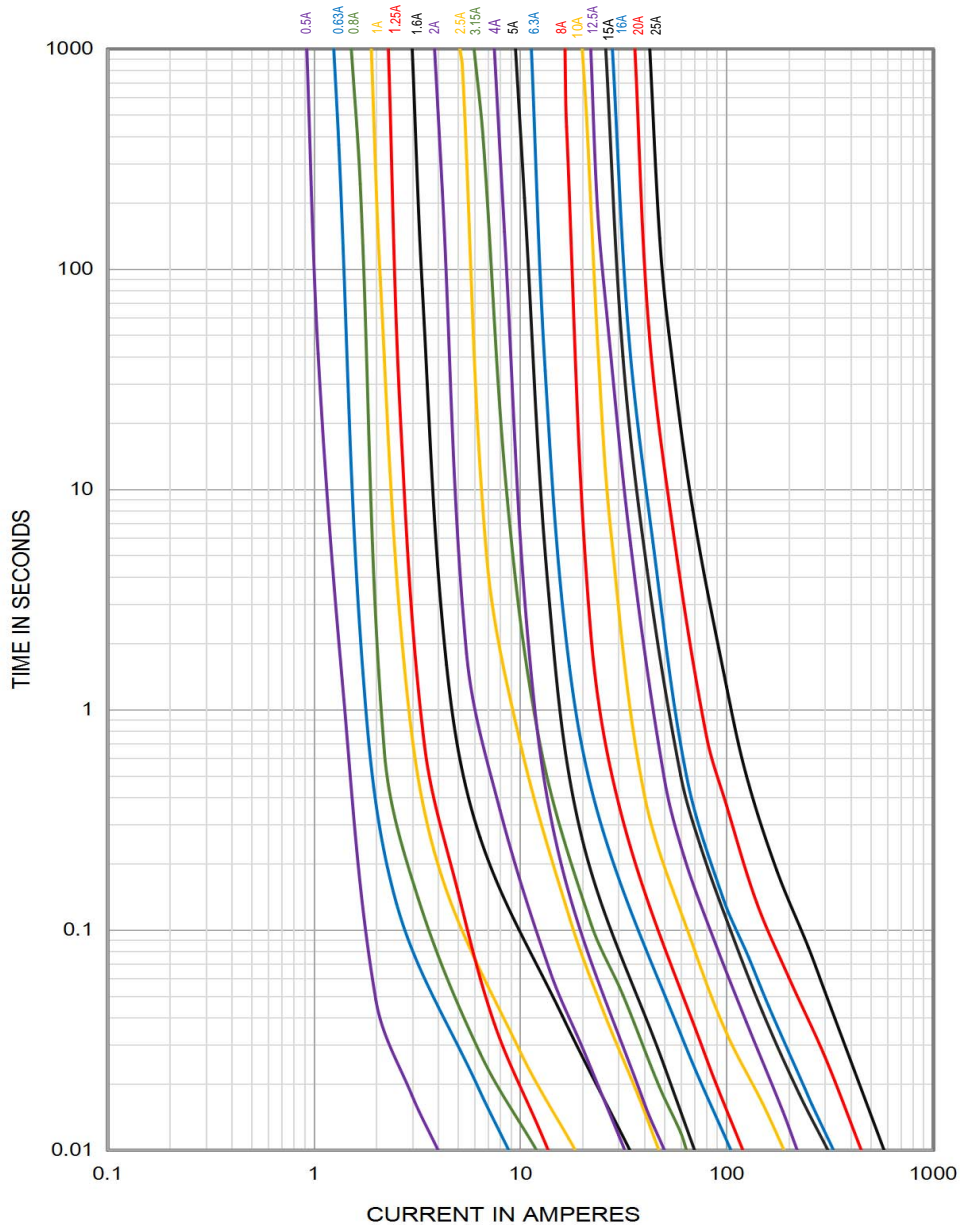
**Time vs Current Characteristics Table**

(measured with constant current power supply)

Time vs Current Characteristics: IEC 60127-2/V					
Rated Current	150%	210%	275%	400%	1000%
500mA~800mA	>1h	<30min	250ms~80s	50ms~5s	5ms~150ms
1.00A~3.15A	>1h	<30min	750ms~80s	95ms~5s	10ms~150ms
4.00A~10.00A	>1h	<30min	750ms~80s	150ms~5s	10ms~150ms
12.00A~25.00A	>1h	<30min	750ms~80s	150ms~8s	10ms~150ms

**Average Time Current (I-T) Curves**

Average Current Curve(I-T Curve)



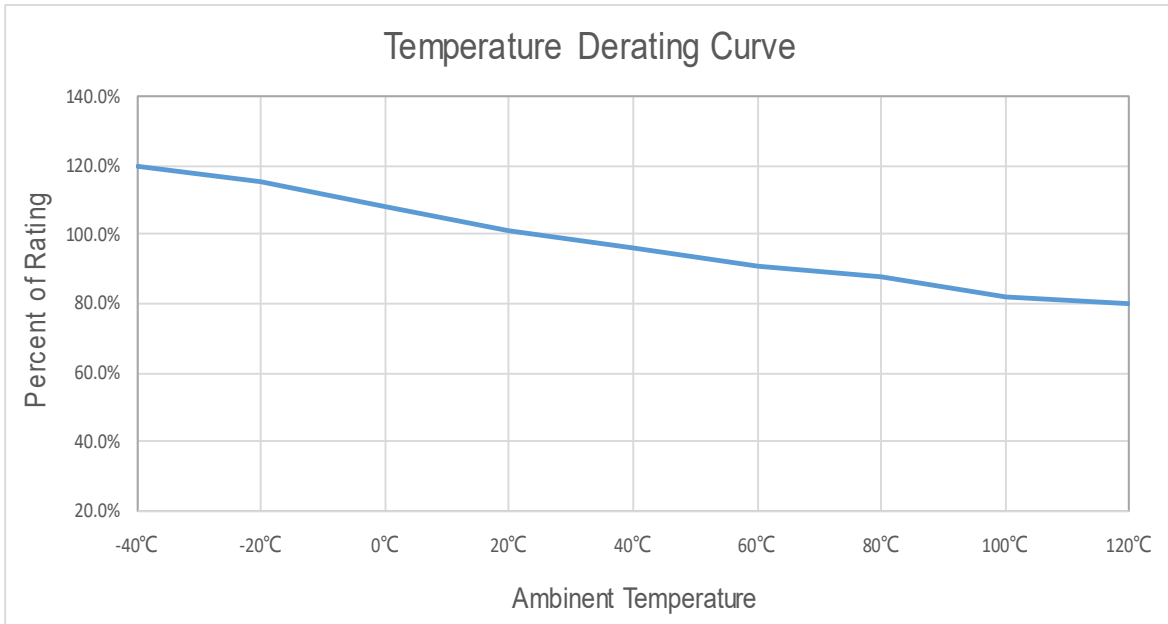


## Electrical characteristics

Electrical Characteristics							Approvals									
Amp Code	Rated Current	Max. Voltage	Max. Voltage Drop(mV)	Max. Power Dissipation (W)	Nominal Melting I <sup>2</sup> t(A <sup>2</sup> sec)	Breaking capacity	VDE	CCC	cURus	PSE	CQC	TUV	KC	BSI	SEMKO	
0500	500mA	250V AC	850	1.6	0.16	10kA@125V AC 1500A@250V AC 50-60Hz Cosφ=0.7-0.8	●	●	●	○	○	○	○	○	○	
0630	630mA		650	1.6	0.774		●	●	●	○	○	○	○	○	○	○
0800	800mA		500	1.6	1.44		●	●	●	○	○	○	○	○	○	○
1100	1.00A		350	2.5	3.42		●	●	●	●	○	○	●	●	●	●
1125	1.25A		300	2.5	1.86		●	●	●	●	○	○	●	●	●	●
1160	1.60A		200	2.5	5.76		●	●	●	●	○	○	●	●	●	●
1200	2.00A		190	2.5	4.84		●	●	●	●	○	○	●	●	●	●
1250	2.50A		180	2.5	9.61		●	●	●	●	○	○	●	●	●	●
1315	3.15A		140	4	15.21		●	●	●	●	○	○	●	●	●	●
1400	4.00A		100	4	25		●	●	●	●	○	○	●	●	●	●
1500	5.00A		100	4	49		●	●	●	●	○	○	●	●	●	●
1630	6.30A		100	4	110		●	●	●	●	○	○	●	●	●	●
1800	8.00A		100	4	144		●	●	●	●	○	○	●	●	●	●
2100	10.00A		100	4	361		●	●	●	●	○	○	●	●	●	●
2120	12.00A		100	4	462		○	○	●	○	○	○	●	○	○	○
2125	12.50A		100	4	484		○	○	●	○	○	○	●	○	○	○
2150	15.00A		100	4	992		○	○	●	○	○	○	●	○	○	○
2160	16.00A		100	4	1090		○	○	●	○	○	○	●	○	○	○
2200	20.00A		100	4	2025		○	○	●	○	○	○	○	○	○	○
2250	25.00A		100	4	3364		○	○	●	○	○	○	○	○	○	○

**Note:** (1) Permissible continuous operating current is ≤100% at ambient temperature of 23°C (73.4°F)  
(2) The cURus certification by 125V and 250V; the others certification only by 250V.

## Temperature Derating Curve



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



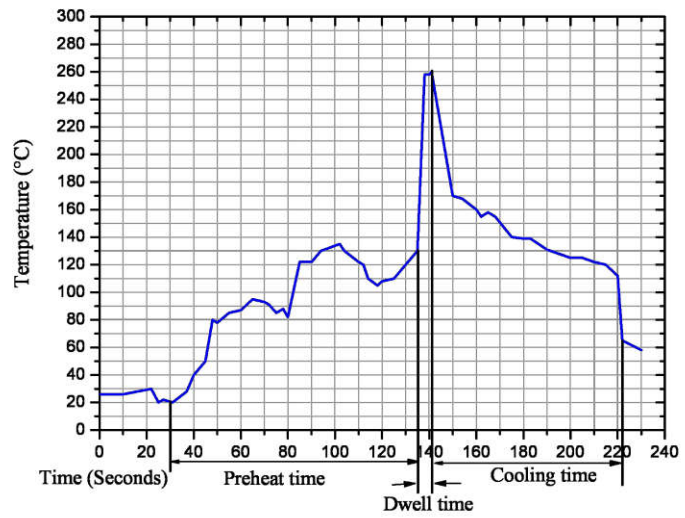
### 7.SOLDERING PARAMETERS

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	Amp Code	Supplementary Code	Qty
524			

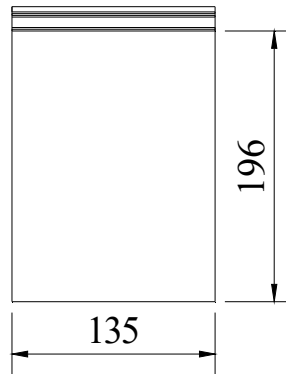




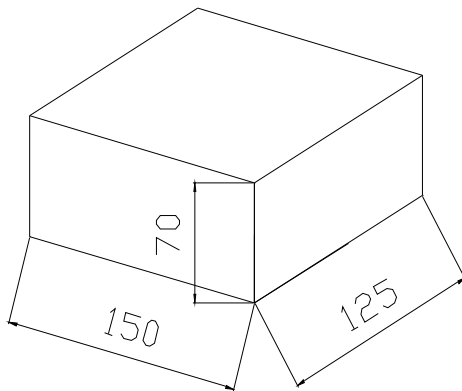
## 9.PACKING INFORMATION

### Packing details

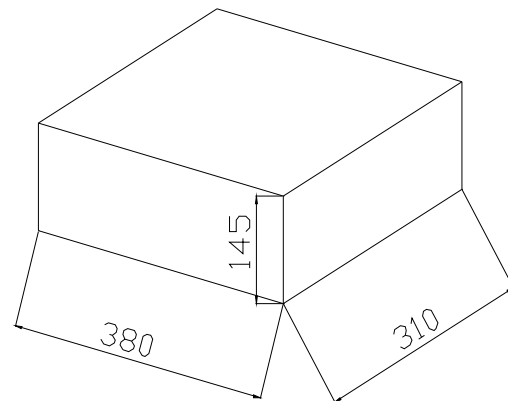
Plastic bag



Inner Box



Master Carton



Net Weight (100pcs/bag)	555g	Inner box weight	1.15kg	Master Carton Weight	12.3kg
Qty per bag	500pcs	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](http://www.betterfuse.com)

Email: [info@betterfuse.com](mailto:info@betterfuse.com)



10. APPENDIX



Tags Organize your personal workspace with custom tags

LEARN MORE

Dashboard / Search / FUSES, SUPPLEMENTAL - COMPONENT | UL Product IQ

JDYX2.E300003 - FUSES, SUPPLEMENTAL - COMPONENT

DETAILS

File No.: E300003
UL Category (CCN): JDYX2
Document Type: Listing
Parent Category (CCN): JQ82

RESOURCES

- UL Confirmation Letter
Guide Info (JDYX2)

TAGS

Document Company Information Related Information

Fuses, Supplemental - Component

See General Information for Fuses, Supplemental - Component

DONGGUAN BETTER ELECTRONICS TECHNOLOGY CO LTD
Rm 601 Of 16 Bk
Xinzhu Yuan No 4 Xinzhu Rd
Songshan Lake Hightech Industrial Development Zone
Dongguan, Guangdong 523808 CHINA
Supplemental fuses

E300003

Table with 5 columns: Cat. No., Size mm(in), Amps (A), Volts (V), Interrupting Rating (A). Row 1: S24, 5 x 20 (0.20 x 0.79), 0.5 - 10, 125Vac, 10000.

Marking: Company name and model designation.

Last Updated on 2019-07-05

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# Zertifikat

mit überwachter Konformität

# Certificate

of surveyed conformity



Zertifikat Nr. *Certificate No.*  
J 50157552

Blatt *Page*  
0001

Ihr Zeichen *Client Reference*

Unser Zeichen *Our Reference*

Ausstellungsdatum

*Date of Issue*  
(day/month/year)

05-JP- 16016421 001

29.06.2009

**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 60127-2:2003+A1



TÜVRheinland®

**Zertifiziertes Produkt (Geräteidentifikation)**  
***Certified Product (Product Identification)***

**Lizenzentgelte - Einheit**  
***License Fee - Unit***

(Cartridge Fuse-link)

Type Designation : 524

5

Rated Voltage : AC 250V; 50/60Hz

Rated Current (In) : 12,5A

Time/Current Characteristic: T

Rated Breaking Capacity : 1500A

Dimension : 5mmx20mm

**Remark:**

The requirements of standard sheet 5 were taken into consideration.

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

5

ANLAGE (Appendix): 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.



Zertifizierungsstelle

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.*  
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0002

Ihr Zeichen *Client Reference*

Unser Zeichen *Our Reference*

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*Date of Issue*  
(day/month/year)

05-YFC- 16016421 002

22.04.2013

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P.R. China

**Fertigungsstätte *Manufacturing Plant***

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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 60127-2:2003+A1+A2

**Zertifiziertes Produkt (Geräteidentifikation)**  
***Certified Product (Product Identification)***

**Lizenzentgelte - Einheit**  
***License Fee - Unit***

(Cartridge Fuse-link)

as page 0001

Change

Test Requirement : see above

**Remark:**

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Zertifizierungsstelle

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
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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 50157552

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0003

Ihr Zeichen *Client Reference*

Unser Zeichen *Our Reference*

Ausstellungsdatum

*Date of Issue*  
(day/mo/yr)

05-YFC- 16016421 003

29.09.2017

## Genehmigungsinhaber *License Holder*

Dongguan Better Electronics  
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Room 601 of 16 Block, Xinzhu Yuan  
No 4, Xinzhu Road, Songshanlake  
Hightech Ind. Development Zone  
Dongguan City, Guangdong Province  
P. R. China

## Fertigungsstätte *Manufacturing Plant*

Dongguan Better Electronics  
Technology Co., Ltd.  
Nanmen Village, Hengkeng  
Administrative Zone, Liaobu Town  
Dongguan, Guangdong  
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## Prüfzeichen *Test Mark*



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## Geprüft nach *Tested acc. to*

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EN 60127-2:2014

Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)*

Lizenzentgelte - Einheit  
*License Fee - Unit*

(Cartridge Fuse-link)

as pages 0001-0002

Change

Rated current : 315mA; 400mA; 12A; 12,5A; 15A;  
16A

4

Test Requirement : see above

Address of license holder : see above

## Remark:

The requirements of standard sheet 5 were taken into consideration.

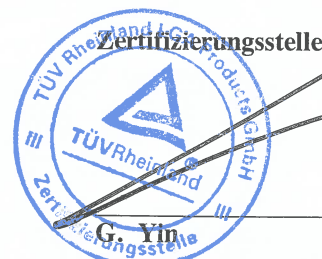
The labelling requirements acc. to EU Directive 2001/95 have to be observed for distribution within the EEA.

4

ANLAGE (Appendix): 1.1

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Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
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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



## ZEICHENGENEHMIGUNG MARKS APPROVAL

Dongguan Better Electronics  
Technology Co., Ltd.  
Room 601 of 16 Block, Xinzhu Yuan  
No 4, Xinzhu Road  
523808 DONGGUAN  
CHINA

ist berechtigt, für ihr Produkt /  
*is authorized to use for their product*

**G-Sicherungseinsatz**  
**Cartridge fuse-link**  
**5T 524-Serie(s)**

die hier abgebildeten markenrechtlich geschützten Zeichen  
für die ab Blatt 2 aufgeführten Typen zu benutzen /  
*the legally protected Marks as shown below for the types referred to on page 2 ff.*



Geprüft und zertifiziert nach /  
*Tested and certified according to*

DIN EN 60127-1 (VDE 0820-1):2015-12; EN 60127-1:2006+A1:2011+A2:2015  
DIN EN 60127-2 (VDE 0820-2):2015-07; EN 60127-2:2014  
IEC 60127-1:2006  
IEC 60127-1:2006/AMD1:2011  
IEC 60127-1:2006/AMD2:2015  
IEC 60127-2:2014



Aktenzeichen: 5015514-1170-0002 / 228717

File ref.:

Ausweis-Nr. 40020107

Blatt 1

Certificate No.

Page

Weitere Bedingungen siehe Rückseite und Folgeblätter /  
*further conditions see overleaf and following pages*

Offenbach, 2007-02-02

(letzte Änderung / updated 2018-02-08 )

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VDE Testing and Certification Institute  
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Aktenzeichen / *File ref.*

5015514-1170-0002 / 228717 / TL3 / EUL

letzte Änderung / *updated*

2018-02-08

Datum / *Date*

2007-02-02

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40020107.

*This supplement is only valid in conjunction with page 1 of the Certificate No. 40020107.*

## G-Sicherungseinsatz Cartridge fuse-link 5T 524-Serie(s)

Typ(en) / *Type(s)*

**524 T8AH250V**

**524 T10AH250V**

Bemessungsspannung  
*Rated voltage* AC 250 V

Bemessungsstrom  
*Rated current* 8 A; 10 A

Normblatt  
*Standard sheet* 5

Kennzeichnung der Charakteristik  
*Characteristic symbol* T

Kennzeichnung des Ausschaltvermögens  
*Breaking capacity symbol* H

Maße in mm  
*Dimension in mm* 5 x 20

Bemessungsausschaltvermögen  
*Rated breaking capacity* 1500 A

Zeit/Strom-Charakteristik  
*Time/current-characteristic* träge  
*time-lag*

Fortsetzung siehe Blatt 3 /  
*continued on page 3*

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*

Dongguan Better Electronics Technology Co., Ltd., Room 601 of 16 Block, Xinzhu Yuan, No 4, Xinzhu Road,  
523808 DONGGUAN, Guangdong, CHINA

Aktenzeichen / *File ref.*

5015514-1170-0002 / 228717 / TL3 / EUL

letzte Änderung / *updated*

2018-02-08

Datum / *Date*

2007-02-02

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40020107.

*This supplement is only valid in conjunction with page 1 of the Certificate No. 40020107.*

Anmerkung  
*Remark*

Die Prüfspannung in Abschnitt 9.2 war DC 125 V  
*The test voltage in clause 9.2 was DC 125 V*

---

Dieser Zeichengenehmigungs-Ausweis bildet eine Grundlage für die EG-Konformitätserklärung und CE-Kennzeichnung durch den Hersteller oder dessen Bevollmächtigten und bescheinigt die Konformität mit den grundlegenden Schutzanforderungen der **EG-Niederspannungsrichtlinie 2014/35/EU**.

*This Marks Approval is a basis for the EC Declaration of Conformity and the CE Marking by the manufacturer or his agent and proves the conformity with the essential safety requirements of the **EC Low-Voltage Directive 2014/35/EU**.*

VDE Prüf- und Zertifizierungsinstitut GmbH  
*VDE Testing and Certification Institute*  
Fachgebiet TL3  
*Section TL3*



# VDE Prüf- und Zertifizierungsinstitut Zeichengenehmigung

Ausweis-Nr. / Beiblatt /  
Certificate No. Supplement  
40020107

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*

Dongguan Better Electronics Technology Co., Ltd., Room 601 of 16 Block, Xinzhu Yuan, No 4, Xinzhu Road,  
523808 DONGGUAN, Guangdong, CHINA

Aktenzeichen / *File ref.*

5015514-1170-0002 / 228717 / TL3 / EUL

letzte Änderung / *updated*

2018-02-08

Datum / *Date*

2007-02-02

Dieses Beiblatt ist Bestandteil des Zeichengenehmigungsausweises Nr. 40020107.

*This supplement is part of the Certificate No. 40020107.*

## G-Sicherungseinsatz

**Cartridge fuse-link  
5T 524-Serie(s)**

### Fertigungsstätte(n)

**Place(s) of manufacture**

Referenz/*Reference*  
**30017543**

Dongguan Better Electronics  
Technology Co., Ltd.  
Nanmen Village  
Hengkeng Administrative Zone  
523413 LIAOBU TOWN, DONGGUAN  
Guangdong  
CHINA

VDE Prüf- und Zertifizierungsinstitut GmbH

*VDE Testing and Certification Institute*

Fachgebiet TL3

*Section TL3*



Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*

Dongguan Better Electronics Technology Co., Ltd., Room 601 of 16 Block, Xinzhu Road,  
523808 DONGGUAN, Guangdong, CHINA

Aktenzeichen / *File ref.*

5015514-1170-0002 / 228717 / TL3 / EUL

letzte Änderung / *updated*

2018-02-08

Datum / *Date*

2007-02-02

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40020107.

*This supplement is only valid in conjunction with page 1 of the Certificate No. 40020107.*

## **Genehmigung zum Benutzen des auf Seite 1 abgebildeten markenrechtlich geschützten Zeichens des VDE:**

Grundlage für die Benutzung sind die Allgemeinen Geschäftsbedingungen (AGB) der VDE Prüf- und Zertifizierungsinstitut GmbH ([www.vde.com\AGB-Institut](http://www.vde.com\AGB-Institut)). Das Recht zur Benutzung erstreckt sich nur auf die bezeichnete Firma mit den genannten Fertigungsstätten und die oben aufgeführten Produkte mit den zugeordneten Bezeichnungen. Die Fertigungsstätte muss so eingerichtet sein, dass eine gleichmäßige Herstellung der geprüften und zertifizierten Ausführung gewährleistet ist.

Die Genehmigung ist so lange gültig wie die VDE-Bestimmungen gelten, die der Zertifizierung zugrunde gelegen haben, sofern sie nicht auf Grund anderer Bedingungen aus der VDE Prüf- und Zertifizierungsordnung (PM102) zurückgezogen werden muss.

Der Gültigkeitszeitraum einer VDE-GS-Zeichengenehmigung kann auf Antrag verlängert werden. Bei gesetzlichen und / oder normativen Änderungen kann die VDE-GS-Zeichengenehmigung ihre Gültigkeit zu einem früheren als dem angegebenen Datum verlieren.

Produkte, die das Biozid Dimethylfumarat (DMF) enthalten, dürfen gemäß der Kommissionsentscheidung 2009/251/EG nicht mehr in den Verkehr gebracht oder auf dem Markt bereitgestellt werden.

Der VDE-Zeichengenehmigungsausweis wird ausschließlich auf der ersten Seite unterzeichnet.

### **Approval to use the legally protected Mark of the VDE as shown on the first page:**

*Basis for the use are the general terms and conditions of the VDE Testing and Certification Institute ([www.vde.com\terms-institute](http://www.vde.com\terms-institute)). The right to use the mark is granted only to the mentioned company with the named places of manufacture and the listed products with the related type references. The place of manufacture shall be equipped in a way that a constant manufacturing of the certified construction is assured.*

*The approval is valid as long as the VDE specifications are in force, on which the certification is based on, unless it is withdrawn according to the VDE Testing and Certification Procedure (PM102E).*

*The validity period of a VDE-GS-Mark Approval may be prolonged on request. In case of changes in legal and / or normative requirements, the validity period of a VDE-GS-Mark Approval may be shortened.*

*Products containing the biocide dimethylfumarate (DMF) may not be marketed or made available on the EC market according to the Commission Decision 2009/251/EC.*

*The approval is solely signed on the first page.*

## ZEICHENGENEHMIGUNG MARKS APPROVAL

Dongguan Better Electronics  
Technology Co., Ltd.  
Room 601 of 16 Block, Xinzhu Yuan  
No 4, Xinzhu Road  
523808 DONGGUAN  
CHINA

ist berechtigt, für ihr Produkt /  
*is authorized to use for their product*

**G-Sicherungseinsatz**  
**Cartridge fuse-link**

die hier abgebildeten markenrechtlich geschützten Zeichen  
für die ab Blatt 2 aufgeführten Typen zu benutzen /  
*the legally protected Marks as shown below for the types referred to on page 2 ff.*



Geprüft und zertifiziert nach /  
*Tested and certified according to*

DIN EN 60127-1 (VDE 0820-1):2015-12; EN 60127-1:2006+A1:2011+A2:2015  
DIN EN 60127-2 (VDE 0820-2):2015-07; EN 60127-2:2014  
IEC 60127-1:2006  
IEC 60127-1:2006/AMD1:2011  
IEC 60127-1:2006/AMD2:2015  
IEC 60127-2:2014



Aktenzeichen: 5015514-1170-0004 / 228746

File ref.:

Ausweis-Nr. 40025424

Blatt 1

Certificate No.

Page

Weitere Bedingungen siehe Rückseite und Folgeblätter /  
further conditions see overleaf and following pages

Offenbach, 2008-09-23

(letzte Änderung / updated 2016-11-16)

VDE Prüf- und Zertifizierungsinstitut GmbH  
VDE Testing and Certification Institute  
Zertifizierungsstelle / Certification

M. Tasotti

VDE Zertifikate sind nur gültig bei Veröffentlichung unter:  
VDE certificates are valid only when published on:

<http://www.vde.com/zertifikat>  
<http://www.vde.com/certificate>

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*

Dongguan Better Electronics Technology Co., Ltd., Room 601 of 16 Block, Xinzhu Road,  
523808 DONGGUAN, Guangdong, CHINA

Aktenzeichen / *File ref.*

5015514-1170-0004 / 228746 / CC2 / EUL

letzte Änderung / *updated*

2016-11-16

Datum / *Date*

2008-09-23

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40025424.

*This supplement is only valid in conjunction with page 1 of the Certificate No. 40025424.*

## G-Sicherungseinsatz Cartridge fuse-link

Typ(en) / *Type(s)*

### 524

Bemessungsspannung <i>Rated voltage</i>	AC 250 V
Bemessungsstrom <i>Rated current</i>	500 mA; 630 mA; 800 mA; 1 A; 1,25 A; 1,6 A; 2 A; 2,5 A; 3,15 A; 4 A; 5 A; 6,3 A
Normblatt <i>Standard sheet</i>	5
Kennzeichnung der Charakteristik <i>Characteristic symbol</i>	T
Maße in mm <i>Dimension in mm</i>	5 x 20
Kennzeichnung des Ausschaltvermögens <i>Breaking capacity symbol</i>	H
Bemessungsausschaltvermögen <i>Rated breaking capacity</i>	1500 A
Zeit/Strom-Charakteristik <i>Time/current-characteristic</i>	träge <i>time-lag</i>

Fortsetzung siehe Blatt 3 /  
*continued on page 3*

# VDE Prüf- und Zertifizierungsinstitut Zeichengenehmigung

Ausweis-Nr. / Blatt /  
Certificate No. / Page  
40025424 / 3

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*

Dongguan Better Electronics Technology Co., Ltd., Room 601 of 16 Block, Xinzhu Road,  
523808 DONGGUAN, Guangdong, CHINA

Aktenzeichen / *File ref.*

5015514-1170-0004 / 228746 / CC2 / EUL

letzte Änderung / *updated*

2016-11-16

Datum / *Date*

2008-09-23

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40025424.

*This supplement is only valid in conjunction with page 1 of the Certificate No. 40025424.*

Anmerkung

*Remark*

Die Prüfspannung in Abschnitt 9.2 war DC 125 V.

*The test voltage in clause 9.2 was DC 125 V.*

---

Dieser Zeichengenehmigungs-Ausweis bildet eine Grundlage für die EG-Konformitätserklärung und CE-Kennzeichnung durch den Hersteller oder dessen Bevollmächtigten und bescheinigt die Konformität mit den grundlegenden Schutzanforderungen der **EG-Niederspannungsrichtlinie 2014/35/EU**.

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VDE Prüf- und Zertifizierungsinstitut GmbH

*VDE Testing and Certification Institute*

Fachgebiet CC2

*Section CC2*

# VDE Prüf- und Zertifizierungsinstitut Zeichengenehmigung

Ausweis-Nr. / Beiblatt /  
Certificate No. Supplement  
40025424

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*

Dongguan Better Electronics Technology Co., Ltd., Room 601 of 16 Block, Xinzhu Road,  
523808 DONGGUAN, Guangdong, CHINA

Aktenzeichen / *File ref.*

5015514-1170-0004 / 228746 / CC2 / EUL

letzte Änderung / *updated*

2016-11-16

Datum / *Date*

2008-09-23

Dieses Beiblatt ist Bestandteil des Zeichengenehmigungsausweises Nr. 40025424.

*This supplement is part of the Certificate No. 40025424.*

## G-Sicherungseinsatz Cartridge fuse-link

Fertigungsstätte(n)

*Place(s) of manufacture*

Referenz/*Reference*  
**30017543**

Dongguan Better Electronics  
Technology Co., Ltd.  
Nanmen Village  
Hengkeng Administrative Zone  
523413 LIAOBU TOWN, DONGGUAN  
Guangdong  
CHINA

VDE Prüf- und Zertifizierungsinstitut GmbH

*VDE Testing and Certification Institute*

Fachgebiet CC2

*Section CC2*



Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*

Dongguan Better Electronics Technology Co., Ltd., Room 601 of 16 Block, Xinzhu Road,  
523808 DONGGUAN, Guangdong, CHINA

Aktenzeichen / *File ref.*

5015514-1170-0004 / 228746 / CC2 / EUL

letzte Änderung / *updated*

2016-11-16

Datum / *Date*

2008-09-23

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Die Genehmigung ist so lange gültig wie die VDE-Bestimmungen gelten, die der Zertifizierung zugrunde gelegen haben, sofern sie nicht auf Grund anderer Bedingungen aus der VDE Prüf- und Zertifizierungsordnung (PM102) zurückgezogen werden muss.

Der Gültigkeitszeitraum einer VDE-GS-Zeichengenehmigung kann auf Antrag verlängert werden. Bei gesetzlichen und / oder normativen Änderungen kann die VDE-GS-Zeichengenehmigung ihre Gültigkeit zu einem früheren als dem angegebenen Datum verlieren.

Produkte, die das Biozid Dimethylfumarat (DMF) enthalten, dürfen gemäß der Kommissionsentscheidung 2009/251/EG nicht mehr in den Verkehr gebracht oder auf dem Markt bereitgestellt werden.

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*Products containing the biocide dimethylfumarate (DMF) may not be marketed or made available on the EC market according to the Commission Decision 2009/251/EC.*

*The approval is solely signed on the first page.*



# 適合証明書

Certificate of Conformity

証明書番号 Certificate No.

PSE15020932

申請者照会番号 Applicant Reference

CJP2015102003-1191

発行年月日 Date of Issue

2015年11月12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); J60127-2(H26)

- 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:

Model

製造事業者:

Manufacturer

証明書の有効期間:

Validity of Certificate

管形ヒューズ

Cartridge fuse

(「添付書類」参照)

(Refer to Attachment)

524 T1AH250V, 524 T1.25AH250V, 524 T1.6AH250V, 524 T2AH250V, 524 T2.5AH250V, 524 T3.15AH250V, 524 T4AH250V, 524 T5AH250V

DONGGUAN BETTER ELECTRONICS TECHNOLOGY CO.,LTD

2022年11月11日までに有効です。

This certificate is expired on Nov. 11th, 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 0004130





# 適合証明書

Certificate of Conformity

添付書類 Attachment 1

証明書番号(Certificate No.):  
PSE15020932

発行日 Date of Issue :  
2015年11月12日

## 【 型式の区分 Type Classification 】

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

管形ヒューズ  
Cartridge fuse

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) 垂鉛のもの (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.):  
PSE15020932

発行日 Date of Issue :  
2015年11月12日

## 【 型式の区分 Type Classification 】

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

管形ヒューズ  
Cartridge fuse

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.):

PSE15020932

発行日 Date of Issue:

2015年11月12日

## 【 型式の区分 Type Classification 】

特定電気用品:

(Name of Specified Electrical Appliance and Material)

管形ヒューズ

Cartridge fuse

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北京市南四环西路188号9区

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



# 適合証明書

Certificate of Conformity

証明書番号 Certificate No.  
PSE15020935

申請者照会番号 Applicant Reference  
CJP2015102003-1192

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, SONSHANLAKE 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); J60127-2(H26)
- 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

管形ヒューズ  
Cartridge fuse

型式の区分 :  
Type Classification

(「添付書類」参照)  
(Refer to Attachment)

モデル名 :  
Model

524 T6.3AH250V, 524 T8AH250V, 524 T10AH250V

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 0004145



# 適合証明書

Certificate of Conformity

添付書類 Attachment 1

証明書番号(Certificate No.):  
PSE15020935

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)

管形ヒューズ  
Cartridge fuse

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.):  
PSE15020935

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)

管形ヒューズ  
Cartridge fuse

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.) :  
PSE15020935

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)

管形ヒューズ  
Cartridge fuse

定格遮断電流	<ul style="list-style-type: none"> <li>(1) 100A以下のもの</li> <li>(2) 100Aを超え300A以下のもの</li> <li>(3) 300Aを超え500A以下のもの</li> <li>(4) 500Aを超え1,000A以下のもの</li> <li>(5) 1,000Aを超え1,500A以下のもの</li> <li>(6) 1,500Aを超え2,500A以下のもの</li> <li>(7) 2,500Aを超え5,000A以下のもの</li> <li>(8) 5,000Aを超え7,500A以下のもの</li> <li>(9) 7,500Aを超え10,000A以下のもの</li> <li>(10) 10,000Aを超え15,000A以下のもの</li> <li>(11) 15,000Aを超え20,000A以下のもの</li> <li>(12) 20,000Aを超え25,000A以下のもの</li> <li>(13) 25,000Aを超え30,000A以下のもの</li> <li>(14) 30,000Aを超えるもの</li> </ul>
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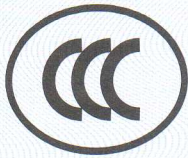
中国品質認証センター  
CHINA QUALITY  
CERTIFICATION CENTRE

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



# 中国国家强制性产品认证证书

证书编号：2008010207275342

委托人名称、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

生产者（制造商）名称、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

生产企业名称、地址

东莞市贝特电子科技股份有限公司  
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

管状熔断体

524 T500mAH250V,524 T630mAH250V,524 T800mAH250V,524 T1AH250V,524  
T1.25AH250V,524 T1.6AH250V,524 T2AH250V,524 T2.5AH250V,524 T3.15AH250V,524  
T4AH250V,524 T5AH250V,524 T6.3AH250V

产品标准和技术要求

GB9364.1-1997;GB/T9364.2-1997

上述产品符合强制性产品认证实施规则 CNCA-C02-01:2014 的要求，  
特发此证。

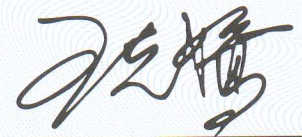
发证日期：2017年12月21日 有效期至：2022年12月21日

证书有效期内本证书的有效性依据发证机构的定期监督获得保持。

本证书为变更证书，证书首次颁发日期：2008年05月14日

本证书的相关信息可通过国家认监委网站 [www.cnca.gov.cn](http://www.cnca.gov.cn) 查询



主任： 



## 中国质量认证中心





# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

**CERTIFICATE NO.: 2008010207275342**

## **NAME AND ADDRESS OF THE APPLICANT**

Dongguan Better Electronics Technology Co., Ltd.  
Room 601 of 16 Block, Xinzhu Yuan, No 4, Xinzhu Road, Songshanlake Hightech Industrial  
Development Zone, Dongguan City, Guangdong Province, PRC

## **NAME AND ADDRESS OF THE MANUFACTURER**

Dongguan Better Electronics Technology Co., Ltd.  
Room 601 of 16 Block, Xinzhu Yuan, No 4, Xinzhu Road, Songshanlake Hightech Industrial  
Development Zone, Dongguan City, Guangdong Province, PRC

## **NAME AND ADDRESS OF THE FACTORY**

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

## **PRODUCT NAME, MODEL AND SPECIFICATION**

Cartridge Fuse-link

524 T500mAH250V, 524 T630mAH250V, 524 T800mAH250V, 524 T1AH250V, 524 T1.25AH2  
50V, 524 T1.6AH250V, 524 T2AH250V, 524 T2.5AH250V, 524 T3.15AH250V, 524 T4AH250V,  
524 T5AH250V, 524 T6.3AH250V

## **THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS**

GB9364.1-1997; GB/T9364.2-1997

This is to certify that the above mentioned product(s) complies with the requirements of  
implementation rules for compulsory certification (REFNO.CNCA-C02-01:2014).

**Valid from:** Dec.21,2017

**Valid until:** Dec.21,2022

The validity of the certificate is subject to positive result of the regular follow up  
inspection by issuing certification body until the expiry date.

Date of original issued: May.14,2008

The certificate information is available through CNCA's website: [www.cnca.gov.cn](http://www.cnca.gov.cn)



President:

Wang Kejiao



## **CHINA QUALITY CERTIFICATION CENTRE**



# 中国国家强制性产品认证证书

证书编号：2008010207275342

### 委托人名称、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

### 生产者（制造商）名称、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

### 生产企业名称、地址

东莞市贝特电子科技股份有限公司  
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

管状熔断体

524 T500mAH250V、524 T630mAH250V、524 T800mAH250V、524 T1AH250V、524 T1.25AH250V、524 T1.6AH250V、524 T2AH250V、524 T2.5AH250V、524 T3.15AH250V、524 T4AH250V、524 T5AH250V、524 T6.3AH250V、524 T8AH250V、524 T10AH250V

### 产品标准和技术要求

GB/T9364.1-2015;GB/T9364.2-2018

上述产品符合强制性产品认证实施规则 CNCA-C02-01:2014 的要求，  
特发此证。

发证日期：2019年10月25日 有效期至：2022年12月21日

证书有效期内本证书的有效性依据发证机构的定期监督获得保持。

本证书为变更证书，证书首次颁发日期：2008年05月14日

本证书的相关信息可通过国家认监委网站 [www.cnca.gov.cn](http://www.cnca.gov.cn) 查询



主任：

陆梅



## 中国质量认证中心



# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

**CERTIFICATE NO.: 2008010207275342**

## **NAME AND ADDRESS OF THE APPLICANT**

Dongguan Better Electronics Technology Co., Ltd.

Room 601 of 16 Block, Xinzhu Yuan, No 4, Xinzhu Road, Songshanlake Hightech Industrial Development Zone, Dongguan City, Guangdong Province, PRC

## **NAME AND ADDRESS OF THE MANUFACTURER**

Dongguan Better Electronics Technology Co., Ltd.

Room 601 of 16 Block, Xinzhu Yuan, No 4, Xinzhu Road, Songshanlake Hightech Industrial Development Zone, Dongguan City, Guangdong Province, PRC

## **NAME AND ADDRESS OF THE FACTORY**

Dongguan Better Electronics Technology Co., Ltd.

NanMen Village, HengKeng Administrative Zone LiaoBu Town, Dongguan, Guangdong, China.

## **PRODUCT NAME, MODEL AND SPECIFICATION**

Cartridge Fuse-link

524 T500mAH250V, 524 T630mAH250V, 524 T800mAH250V, 524 T1AH250V, 524 T1.25AH250V, 524 T1.6AH250V, 524 T2AH250V, 524 T2.5AH250V, 524 T3.15AH250V, 524 T4AH250V, 524 T5AH250V, 524 T6.3AH250V, 524 T8AH250V, 524 T10AH250V

## **THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS**

GB/T9364.1-2015; GB/T9364.2-2018

This is to certify that the above mentioned product(s) complies with the requirements of implementation rules for compulsory certification (REFNO.CNCA-C02-01:2014).

**Valid from:** Oct.25,2019

**Valid until:** Dec.21,2022

The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.

Date of original issued: May.14,2008

The certificate information is available through CNCA's website: [www.cnca.gov.cn](http://www.cnca.gov.cn)



President:

Lu Mei



## **CHINA QUALITY CERTIFICATION CENTRE**



# 产品认证证书

证书编号：CQC17012183603

## 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

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

## 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

特殊应用的小型熔断体(管状)  
524 12.5A a.c. 250V、524 16A a.c. 250V(额定分断能力：1500A，主要尺寸：Φ5mm×20mm)

## 产品标准和技术要求

GB/T 9364.1-2015;GB/T 9364.7-2016

## 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 CQC11-462125-2018 认证规则的要求，特发此证。

发证日期：2019年10月25日

本证书的有效性依据发证机构的定期监督获得保持。  
本证书为变更证书，证书首次颁发日期：2017年12月07日

主任：\_\_\_\_\_

陆楠



## 中国质量认证中心

中国·北京·南四环西路188号9区100070

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

C 0157250



# PRODUCT CERTIFICATE

CERTIFICATE NO.: CQC17012183603

## NAME AND ADDRESS OF THE APPLICANT

Dongguan Better Electronics Technology Co.,Ltd.  
Room 601 of 16 Block, Xinzhu Yuan, No. 4 Xinzhu Road, Songshanlake Hightech Industrial Development  
Zone, Dongguan City

## NAME AND ADDRESS OF THE MANUFACTURER

Dongguan Better Electronics Technology Co.,Ltd.  
Room 601 of 16 Block, Xinzhu Yuan, No. 4 Xinzhu Road, Songshanlake Hightech Industrial Development  
Zone, Dongguan City

## NAME AND ADDRESS OF THE FACTORY

Dongguan Better Electronics Technology Co.,Ltd. (V003591)  
NanMen Village,HengKen Administrative Zone LiaoBu Town, Dongguan,Guandong

## PRODUCT NAME, MODEL AND SPECIFICATION

Miniature Fuse-links for Special applications  
524 12.5A a.c. 250V、524 16A a.c. 250V(额定分断能力: 1500A, 主要尺寸:Φ5mm×20mm)

## THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS

GB/T 9364.1-2015;GB/T 9364.7-2016

## TYPE OF CERTIFICATION SCHEMES

Type Testing of Product + Initial Factory Inspection + Follow up Factory Inspection  
This is to certify that the above mentioned product(s) complies with the requirements of certification  
rules of CQC11-462125-2018 .

Valid from: Oct.25,2019

The validity of the certificate is subject to positive result of the regular follow up inspection by issuing  
certification body.

Date of original issued: Dec.07,2017

President: \_\_\_\_\_

Lu Mei



## CHINA QUALITY CERTIFICATION CENTRE

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

C 0157250

접수번호 : 17-032569-03-1  
(Receipt No.)



# 안전인증서

## Safety Certificate

안전인증번호 : SU05042-17005  
(Certificate No.)

제조업자/수입업자명 : Dongguan Better Electronics Technology Co.,Ltd.  
(Manufacturer/importer)

주소 : 2nd Industrial Zone, Nanmen Village, Hengkeng, Liao Bu Town,  
(Address) Dongguan, Guangdong, China

제품명 : 퓨즈(Cartridge fuse-links)  
(Product)

기본모델명 : 524 T2.5AH250V  
(Basic Model)

파생모델명 : 524 T1AH250V, 524 1.25AH250V, 524 T1.6AH250V, 524 T2AH250V  
(Series Model)

정격/안전기준상의 모델구분 : 2.5 A, AC 250 V  
(Rating)

시험기준 : K60127-2(2011-12), K60127-1(2011-12)  
(Standard)

본 인증서는 제조국명 : 중국  
제조업자명 : Dongguan Better Electronics Technology Co.,Ltd  
제조공장의 주소 : 2nd Industrial Zone, Nanmen Village, Hengkeng, Liao Bu T  
own, Dongguan, Guangdong, China  
의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항·제4항 또는 제10조제2항에 따라 안전인증서를 발급합니다.

We Issue This Safety Certificate for the above appliances in accordance with the Article 9(2),9(4) or10 (2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.

2017 년 06 월 20 일  
Year month day

### 한국산업기술시험원장

### KOREA TESTING LABORATORY



\* 이 인증서는 「전기용품 및 생활용품 안전관리법 시행규칙」에 따른 제품의 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류	1. 전기용품의 안전관리부품 및 재질목록(List of Critical Components) 2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model) 3. 안전인증의 변경 현황 (Revisions Status)
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**첨부 2 : 기본모델 · 파생모델의 내용**  
Description of the basic and series model

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
524 T1AH250V	Rated Current 1 A
524 1.25AH250V	Rated Current 1.25 A
524 T1.6AH250V	Rated Current 1.6 A
524 T2AH250V	Rated Current 2 A
제품특기사항 및 시험조건 Remarks & Test conditions	
<p>1. Review report No.: 17-032569-03-2 (2017.06.19.)</p> <p>2. Product Description</p> <ul style="list-style-type: none"> <li>- AC 250 V, 2.5 A, Time-lag, High-breaking capacity</li> <li>- Rated Breaking capacity : 1 500 A</li> <li>- Standard sheet 5</li> </ul>	
<p><input type="checkbox"/> 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 : 인증산업본부 인증심사센터 신 종욱 / 02-8601-1437</p> <p><input type="checkbox"/> <i>If you have any question on product review, please contact the person below :</i> <i>Job holder: Certification Business Division, Certification Evaluation Center, J.U.Shin / +82 2 860-1437</i></p>	

FP511-05

**첨부 3 : 안전인증의 변경 현황**  
Revisions Status

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-06

접수번호 : 17-032569-02-1  
(Receipt No.)



# 안전인증서

## Safety Certificate

안전인증번호 : SU05042-17004  
(Certificate No.)

제조업자/수입업자명 : Dongguan Better Electronics Technology Co.,Ltd.  
(Manufacturer/importer)

주소 : 2nd Industrial Zone, Nanmen Village, Hengkeng, Liao Bu Town,  
(Address) Dongguan, Guangdong, China

제품명 : 퓨즈(Cartridge fuse-links)  
(Product)

기본모델명 : 524 T6.3AH250V  
(Basic Model)

파생모델명 : 524 T3.15AH250V, 524 T4AH250V, 524 T5AH250V  
(Series Model)

정격/안전기준상의 모델구분 : 6.3 A, AC 250 V  
(Rating)

시험기준 : K60127-2(2011-12), K60127-1(2011-12)  
(Standard)

본 인증서는 제조국명 : 중국  
제조업자명 : Dongguan Better Electronics Technology Co.,Ltd  
제조공장의 주소 : 2nd Industrial Zone, Nanmen Village, Hengkeng, Liao Bu T  
own, Dongguan, Guangdong, China  
의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항·제4항 또는 제10조제2항에 따라 안전인증서를 발급합니다.

We Issue This Safety Certificate for the above appliances in accordance with the Article 9(2),9(4) or10 (2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.

2017 년 06 월 20 일  
Year month day

### 한국산업기술시험원장

### KOREA TESTING LABORATORY



\* 이 인증서는 「전기용품 및 생활용품 안전관리법 시행규칙」에 따른 제품의 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류	1. 전기용품의 안전관리부품 및 재질목록(List of Critical Components) 2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model) 3. 안전인증의 변경 현황 (Revisions Status)
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**첨부 2 : 기본모델 · 파생모델의 내용**  
Description of the basic and series model

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
524 T3.15AH250V	Rated Current 3.15 A
524 T4AH250V	Rated Current 4 A
524 T5AH250V	Rated Current 5 A
제품특기사항 및 시험조건 Remarks & Test conditions	
<p>1. Review report No.: 17-032569-02-2 (2017.06.19.)</p> <p>2. Product Description</p> <ul style="list-style-type: none"> <li>- AC 250 V, 6.3 A, Time-lag, High-breaking capacity</li> <li>- Rated Breaking capacity : 1 500 A</li> <li>- Standard sheet 5</li> </ul>	
<p><input type="checkbox"/> 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 : 인증산업본부 인증심사센터 신 종욱 / 02-8601-1437</p> <p><input type="checkbox"/> <i>If you have any question on product review, please contact the person below :</i> <i>Job holder: Certification Business Division, Certification Evaluation Center, J.U.Shin / +82 2 860-1437</i></p>	

FP511-05

**첨부 3 : 안전인증의 변경 현황**  
Revisions Status

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-06

접수번호 : 17-032569-01-1  
(Receipt No.)



# 안전인증서

## Safety Certificate

안전인증번호 : SU05042-17003  
(Certificate No.)

제조업자/수입업자명 : Dongguan Better Electronics Technology Co.,Ltd.  
(Manufacturer/importer)

주소 : 2nd Industrial Zone, Nanmen Village, Hengkeng, Liao Bu Town,  
(Address) Dongguan, Guangdong, China

제품명 : 퓨즈(Cartridge fuse-links)  
(Product)

기본모델명 : 524 T10AH250V  
(Basic Model)

파생모델명 : 524 T8AH250V  
(Series Model)

정격/안전기준상의 모델구분 : 10 A, AC 250 V  
(Rating)

시험기준 : K60127-2(2011-12), K60127-1(2011-12)  
(Standard)

본 인증서는 제조국명 : 중국  
제조업자명 : Dongguan Better Electronics Technology Co.,Ltd  
제조공장의 주소 : 2nd Industrial Zone, Nanmen Village, Hengkeng, Liao Bu T  
own, Dongguan, Guangdong, China  
의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항·제4항 또는 제10조제2항에 따라 안전인증서를 발급합니다.

We Issue This Safety Certificate for the above appliances in accordance with the Article 9(2),9(4) or10 (2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.

2017 년 06 월 20 일  
Year month day

### 한국산업기술시험원장

### KOREA TESTING LABORATORY



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첨부서류	1. 전기용품의 안전관리부품 및 재질목록(List of Critical Components) 2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model) 3. 안전인증의 변경 현황 (Revisions Status)
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**첨부 2 : 기본모델 · 파생모델의 내용**  
Description of the basic and series model

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
524 T8AH250V	Rated Current 8 A
제품특기사항 및 시험조건 Remarks & Test conditions	
<p>1. Review report No.: 17-032569-01-2 (2017.06.19.)</p> <p>2. Product Description</p> <ul style="list-style-type: none"> <li>- AC 250 V, 10 A, Time-lag, High-breaking capacity</li> <li>- Rated Breaking capacity : 1 500 A</li> <li>- Standard sheet 5</li> </ul>	
<p><input type="checkbox"/> 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 : 인증산업본부 인증심사센터 신 종욱 / 02-8601-1437</p> <p><input type="checkbox"/> <i>If you have any question on product review, please contact the person below :</i> <i>Job holder: Certification Business Division, Certification Evaluation Center, J.U.Shin / +82 2 860-1437</i></p>	

FP511-05

**첨부 3 : 안전인증의 변경 현황**  
Revisions Status

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-06



By Royal Charter

## Kitemark™ Certificate

This is to certify that:

Dongguan Better Electronics Technology  
Co., Ltd.  
Room 601 of 16 Block, Xinzhuoyuan  
No. 4, Xinzhu Road, Songshanlake  
Hightech Industrial Development Zone  
Dongguan  
Guangdong  
523808  
China

Holds Certificate Number:

KM 677189

In respect of:

**BS EN 60127**  
Cartridge fuse-links

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.

For and on behalf of BSI:

Gary Fenton, Global Product Certification Director

First Issued: 2017-09-19

Latest Issue: 2017-09-19



Page: 1 of 3

...making excellence a habit.™

This certificate has been issued by and remains the property of BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, United Kingdom and should be returned immediately upon request. To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated [online](#).

BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.  
A member of BSI Group of Companies.

# Kitemark™ Certificate

No. KM 677189

Group 1: Miniature fuses – cartridge fuse-links, Standard Sheet V, BS EN 60127-2:2014  
(BS EN 60127-1:2006+A2:2015)

Series 524, time-lag, high breaking capacity.		
Rating	CB Reference Reports	Additional reference reports
T1AH250V	CVC2015-0742/1	8766113
T1.25AH250V	CVC2015-0742/2	
T1.6AH250V	CVC2015-0742/3	
T2AH250V	CVC2015-0742/4	
T2.5AH250V	CVC2015-0742/5	
T3.15AH250V	CVC2015-0742/6	
T4AH250V	CVC2015-0742/7	
T5AH250V	CVC2015-0742/8	
T6.3AH250V	CVC2015-0742/9	
T8AH250V	CVC2015-0742/10	
T10AH250V	CVC2015-0742/11	

First Issued: 2017-09-19

Latest Issue: 2017-09-19

Page: 2 of 3

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To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated [online](#).

BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK  
A member of BSI Group of Companies.

# Certificate



for European Product Safety

Reference No. 1715451

## Miniature fuse-link

Type designation 524

Certificate holder **Dongguan Better Electronics Technology Co. Ltd, Room601of16 Block, Xinzhu Yuan No. 4, Xinzhu Road, Songshanlake Hightech Ind. Devel. Zone Dongguan City, Guangdong Province, 523808 CHINA**

The product complies with the standard(s) EN 60127-2:2014

Date of expiry 12 September 2022

EU Directive information According to the principle of presumption of conformity, this certificate constitutes support for an EC Declaration of Conformity and CE marking according to the Low Voltage Directive 2014/35/EU.

Additional information in Appendix.

Certification Body Intertek Semko AB, Product Certification Place Kista - Stockholm

Signed   
Bo Berglöf Date 12 September 2017  
Page 1 of 2



**Intertek**  
**Appendix**

Reference No. 1715451

*Technical data*

Type designation	524
Rated voltage (V)	250 VAC
Rated current (A)	1A; 1,25A; 1,6A; 2A; 2,5A; 3,15A; 4A; 5A; 6,3A; 8A; 10A
Standard sheet	5
Trade mark:	Ⓟ
Product information	Time-lag, high breaking capacity.

*Manufacturing site(s)* Dongguan Better Electronics Technology Co.  
Ltd., Nanmen Village, Hengkeng  
Administrative Zone, Liaobu Town,  
Dongguan, Guangdong, 523413  
CHINA

According to the principle of presumption of conformity, this certificate, which includes production control, constitutes support for an EC Declaration of Conformity and CE marking according to the Low Voltage Directive 2014/35/EU.

This presumption can expire before end of validity of this certificate due to new issued Standard or Amendment and changes within the EU legislation.

This certificate is based on CB with ref. No. CN35789 dated 12 January 2016, issued by CQC.

*Certification Body* Intertek Semko AB, Product Certification *Place* Kista - Stockholm

*Signed*  *Date* 12 September 2017  
Bo Berglöf

*This Certificate is for the exclusive use of Intertek's Client and is provided pursuant to the Certification agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this certificate. Only the Client is authorized to permit copying or distribution of this certificate and then only in its entirety. Use of Intertek's Certification mark is restricted to the conditions laid out in the agreement. Any further use of the Intertek name for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. Initial Factory Assessments and Follow up Services are for the purpose of assuring appropriate usage of the Certification mark in accordance with the agreement, they are not for the purposes of production quality control and do not relieve the Client of their obligations in this respect.*