

# PRODUCT SPECIFICATION

CUSTOMER

PRODUCT NAME

FUSE

MODEL DETAIL

SMT T3.15A 250V (TIME-LAG)

PART NO.

SMT1315AP

SUPPLIER

SHENZHEN LANSON ELECTRONICS CO., LTD.

A18

SHENZHEN LANSON ELECTRONICS CO.,LTD.	PRODUCT	EDITION NO.	A/5
	SPECIFICATION	FILE NO.	LS/C 005 28
	MODEL SMT	PAGE	PAGE 1 OF 4

### 1. Scope of application

This product is suitable for various kinds of electronic machines to work for over current protection.

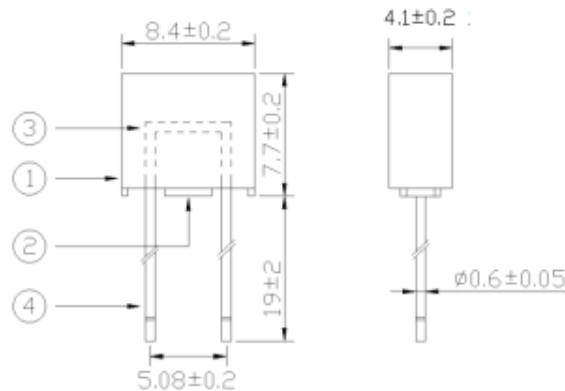
### 2. Relevant Standards and Certification

2.1 Standards IEC60127 1 IEC60127 3 GB/T9364.1 GB/T9364.3

2.2 Certification

Certification	Scope of Certification	Certification No.
UL	100mA~20A	E221465
CCC	500mA~6.3A	2020970207000101
VDE	5A~6.3A	40013102
VDE	500mA~4A	40012592
SEMKO	500mA~6.3A	1708229
PSE	1A~5A	JET5359 31007 2002
KTL	500mA~800mA	SU05026 7011A
	1A~2.5A	SU05026 7012A
	3.15A~4A	SU05026 7013A
	5A~6.3A	SU05026 14003

### 3. Structure and Size (unit: mm)




### 4. Material Details

No.	Part Name	Material
	Case	Thermoplastic Nylon UL94 V0
	Base	Thermoplastic Nylon UL94 V0
	Fuse element	Alloy
	Lead wire	Tinned copper wire

SHENZHEN LANSON ELECTRONICS CO.,LTD.	PRODUCT	EDITION NO.	A/5
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	MODEL SMT	PAGE	PAGE 2 OF 4

## 5. Marking

The fuse shall have the following marking :

Lanson's logo   
Time lag Symbol T  
Ampere rating 3.15A  
Voltage rating 250V  
Product Model SMT  
Approved Symbol



## 6. Appearance

6.1

There shall not be any remarkable stain rust or crack on the appearances.

6.2

Marking shall be easily legible.

## 7. Mechanical characteristics

Tensile test

10N

1

Exert the axial pulling force of 10N to the both ends of lead wire for 1 minute. After the test the fuse shall be no damage and loosening.

## 8. Electrical characteristics

8.1 Test condition

25±5

All electrical characteristics tests are conducted at an ambient temperature of 25±5 .

8.2 Interrupting rating test

35A 10

0.1

The fuse interrupting capacity 35A or 10 times the rated current whichever is greater. After interrupting, the insulation resistance between the fuse terminations shall be not less than 0.1 .

SHENZHEN LANSON ELECTRONICS CO.,LTD.	PRODUCT	EDITION NO.	A/5
	SPECIFICATION	FILE NO.	LS/C 005 28
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8.3 Time Current Characteristics

% % of ampere rating	Opening time
210%	2 min Max
275%	400 ms~10 s
400%	150 ms~3 s
1000%	20 ms~150 ms

8.4 Endurance test

1 , 15 ,

100

A ampere rating specified in the relevant standard sheet is passed through the fuse for a period of 1h.The current is then switched off for a period of 15 minutes. This cycle is repeated 100 times. After the test the fuse shall be no damage and loosening.

8.5 Soldering parameters

8.5.1 260 , 10

Wave soldering 260 ,10 sec. Maximum

8.5.2 370 , 5

Manual soldering 370 , 5 sec. Maximum

8.6 Time current curve see attachment

9. Environmental characteristics

9.1 Operating Temperature

55 125

9.2 Storage Conditions

75% 3

Relative humidity 75%, store 3 years .

10. Packing

10.1 500PCS/ 3 / 10 / ( )

500 fuses per plastic bag, 3 plastic bags per inner box, 10 inner boxes per external carton.

(The actual case in accordance with the customer order)

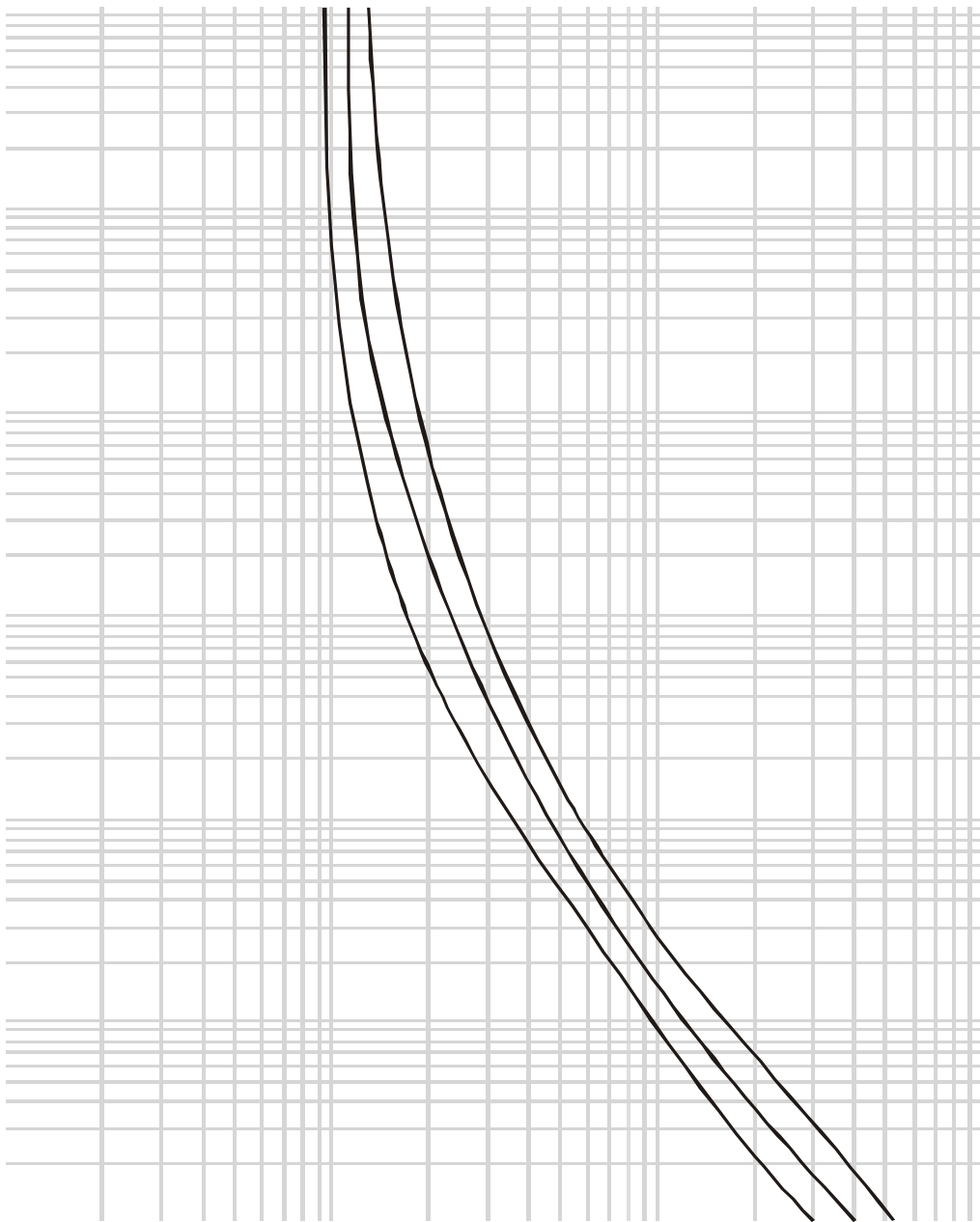
10.2 RoHS

The product is compliant with RoHS Directive

Appendix: The specification attached safety certificate and RoHS directive test report.

SHENZHEN LANSON ELECTRONICS CO.,LTD.	PRODUCT	EDITION NO.	A/5
	SPECIFICATION	FILE NO.	LS/C 005 28
	MODEL SMT	PAGE	PAGE 4 OF 4

attachment



UL Product iQ™

JDYX2.E221465 - Fuses, Supplemental

Fuses, Supplemental - Component

SHENZHEN LANGSON ELECTRONICS CO LTD  
 A18TH BLDG  
 3 INDUSTRIAL ZONE  
 FUQIAO FU  
 SHENZHEN YONG TOWN, BAO'AN DISTRICT  
 , GUANGDONG 518133 China

Cat. No.	Size mm(in)	Amps (A)	Volts (V)
<b>Supplemental fuses</b>			
<b>5D</b>	5.2 x 20 (0.20 x 0.79)	4-7	125Vac
		4-7	250Vac
		8-10	125Vac
		8-10	250Vac
<b>5F</b>	5.2 x 20 (0.20 x 0.79)	0.125-0.315	125Vac
		0.125-0.315	250Vac
		0.4-0.8	125Vac
		0.4-0.8	250Vac
		1-6.3	125Vac
		1-6.3	250Vac
<b>5K</b>	5.2 x 20 (0.20 x 0.79)	0.2-0.8	125Vac
		0.2-0.8	250Vac
		1-6.3	125Vac
		1-6.3	250Vac
		8-15	125Vac
		8-15	250Vac
<b>5M</b>	5.2 x 20 (0.20 x 0.79)	0.5-0.8	250Vac
		1.0-3.15	250Vac

JDYX2.E221486 - Fuses, Suppl

SPT	7.7 (16 x 0.30)	0.1-15 0.5-5
		0.5-5
SQT	5 (16 x 0.20)	6.3-6.3 0.1-15
		0.1-15
		0.1-15
Supplem	es: pigtail leads, time delay, filled-t	
SMT	7 (5 x 0.30)	0.032-20
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Supplem	es: surface mount	
12D	5 x 0.30 x 0.03)	0.1-3
		0.1-3
		0.1-3
		4-7
		4-7
		4-7
		4-7
		7.5-20
		7.5-30
		35-50

Component | UL Product IQ

IVac	50
IVac	35
IVac	35
IVac	63
IVac	130
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2022/2/14

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Ausweis-Nr. / Blatt  
Certificate No. Page  
40012592 2

Certificate holder  
trial Zone, Fuqiao Fuyong Town, 518103 BACIAN

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2017-03-20 2004-12-16

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- 500 mA
- 630 mA
- 800 mA
- 1 A
- 1,25 A
- 1,6 A
- 2 A
- 2,5 A
- 3,15 A
- 4 A

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y requirements of the EC Low-Voltage Directive



VDE  
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# E Prüf- und Zertifizierungsinstitut Zeichengenehmigung

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*  
Name: Shenzhen Lanson Electronics Co. Ltd., A18th Bldg., 3rd Industrial Zone, Fuqiao  
Shenzhen, SHENZHEN, Guangdong, CHINA  
DIS

Zeichensymbol / *File ref.* letzte Änderung / *Last change*  
Aktenzeichen: 079-1170-0005 / 234779 / CC2 / EUL 2017-09-04  
500%

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40012592.  
*This supplement is only valid in conjunction with page 1 of the Certificate No. 40012592.*  
This

VDE Prüf- und Zertifizierungsinstitut GmbH  
VDE Testing and Certification Institute  
VDE Gebiet CC2  
Fachbereich CC2  
Sectio

**VDE Prüf- und Zertifizierungsinstitut**

Ausweis-Nr. /  
Certificate No.  
40012592

Beiblatt /  
Supplement

Name und Sitz des Genehmigungs-Inhabers / Name and registered seat of the Certificate holder  
Shenzhen Lanson Electronics Co., Ltd., A18th Bldg., 3rd Industrial Zone, Fuqiao Fuyong Town, 518103 BAOAN DISTRICT, SHENZHEN, Guangdong, CHINA

Aktenzeichen / File reference  
5002979-1170-0015 / 234779 / 02 / EUL

Dieses Beiblatt ist Bestandteil des Zertifikats / This supplement is part of the Certificate  
letzte Änderung / updated  
2017-03-20  
Datum / Date  
2004-12-16  
Ausweis-Nr. 40012592.

Kleinleistungssicherung / Sub-miniature fuse-link

Fertigungsstätte(r) / Place(s) of manufacture

Referenz / Reference  
30014703  
Shenzhen Lanson Electronics Co., Ltd., A18th Bldg., 3rd Industrial Zone, Fuqiao Fuyong Town, 518103 BAOAN DISTRICT, SHENZHEN, CHINA

VDE Prüf- und Zertifizierungsinstitut / VDE Testing and Certification Institute  
Fachbereich CC2 / Section CC2  
Merianstrasse 28, D-63069 Offenbach



# VDE Prüf- Zeichen

Name und Sitz des Generaldirektors  
Shenzhen DISTRICT, SH

Aktenzeichen / File ref.  
5002979-1170-0005

Dieses Blatt gilt nur in Verbindung mit dem zugehörigen Ergänzungsausweis  
This supplement is only valid in conjunction with the related supplement certificate No.

## Genehmigung zum VDE-Zeichen

Grundlage für die Zertifizierung ist die Bezeichnung der Hersteller. Die Genehmigung haben, wenn sie zurückgezogen wird, ist gesetzlich vorgeschrieben. Der VDE-Zeichen

Approval to use the VDE mark for the named equipment shall be granted unless it is withdrawn or notified to the market. The approval is

Das Recht, das VDE-Zeichen zu verwenden, ist nur für die in der Bescheinigung aufgeführten Produkte und nur für die in der Bescheinigung aufgeführten Hersteller und Herstellergruppen vorbehalten.

Das VDE-Zeichen ist ein eingetragenes Zeichen der VDE-Technische Normenkommission (VDE-TC) und ist als Markenzeichen geschützt.

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Line Certificate  
Industrial Zone

Zeichenausweis  
Certificate No.

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Geschäftsbereich  
Das Recht, das VDE-Zeichen zu verwenden, ist nur für die in der Bescheinigung aufgeführten Produkte und nur für die in der Bescheinigung aufgeführten Hersteller und Herstellergruppen vorbehalten.

Die VDE-Ge

ten, dürfen dem Markt

is shown on the certificate. The right to use the VDE mark is granted only for the products and manufacturers listed in the certificate. The VDE mark is a registered trademark of the VDE-TC and is protected as such.

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sonfuse.com

CNCA-C02-  
01:2014 电  
路开关及保  
护或连接用  
电器装置  
( 电器附  
件 )

超小型熔断体

- SMT T50mA250V、SMT
- T630mA250V、SMT
- T800mA250V、SMT
- T1A250V、SMT
- T1.25A250V、SMT
- T1.6A250V、SMT
- T2A250V、SMT
- T2.5A250V、SMT
- T3.15A250V、SMT
- T4A250V、SMT
- T5A250V、SMT
- T6.3A250V、SMT

GB/T 13212-2018;

4.1-2015

生产企业信息

生产企业名称	国别	生产企业统一社会信用代码	企业地址
深圳市良胜电子有限公司	中国	713212274	宝安区福永镇桥头富桥工业区二期第二、三

附件信息 批量下载

序号	附件名称	操作	备注
1	生产者及授权代表 (适用时) 自我声明	预览	



同等試験証明書  
Certificate of Conformity As Tested

電気用品  
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査に  
I hereby certify  
Article 8 of  
the ordinance  
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1. 証書  
Statutory Certificate
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359-37  
1月7日  
2022  
1月6日  
2023

ZONE, FUQIAO FUYONG  
HEN, CHINA

LANSON ELECTRIC

包装ヒューズ  
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Type Classification

5. 特定  
Name
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Type
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ZONE, FUQIAO FUYONG  
HEN, CHINA

LANSON ELECTRIC

8. 適用  
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の技術上の  
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十二 J60127-3 (H28)

書

基準及び同法第9条第  
第1項第2号に係る検  
証明します

requirements stipulated in Paragraph 1 of  
the Act) and the requirements defined by  
Article 9 of the Act (limited to Item 2

2002

ZONE, FUQIAO FUYONG  
HEN, CHINA

CO., LTD.

ZONE, FUQIAO FUYONG  
HEN, CHINA

CO., LTD.

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8)及びJ60127-3 (H28)

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factory, Testing Method described in the column  
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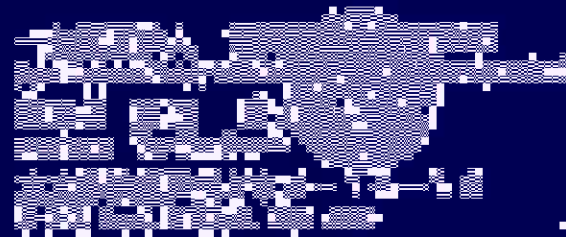
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안전인증번호 : SU0502  
(Certificate No.)

제조업자명 : SHENZI  
(Factory)

대표자명 : WU XIAO  
(President)

제조공장소재지 : SHENZI  
(Factory Address)

제품명 : 소형냉장고  
(Product)

기본모델명 : SMT-150  
(Basic Model)

정격 : 150VA  
(Rating)

파형모델명 : SMT-150  
(Series Model)

적용기준 : KC0127  
(Standard)

「전기용품안전 관리법」  
안전인증서를 발급한다.  
We Issue Electrical Appliances  
of the Electrical Appliances

**kc**

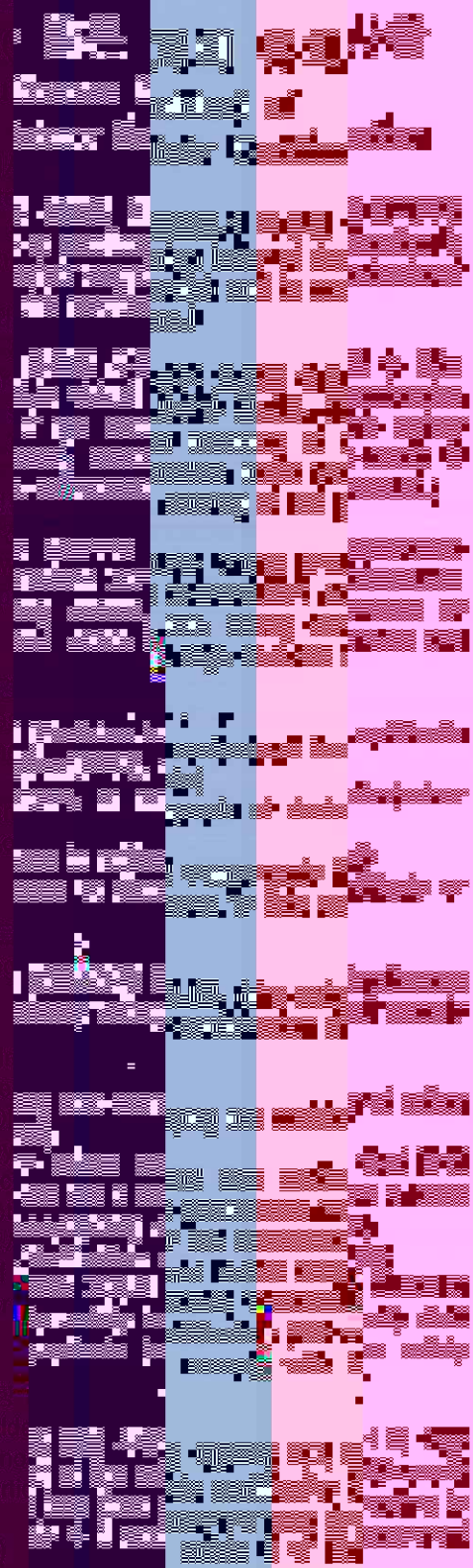
※ 이 인증서는 「전기용품안전  
법」이 적용되는 제품과 관련

첨 부 : 1. 안전관리부속  
(Annex) 2. 기본모델명  
3. 전기용품안전인

# 안전인증

## Safety Certification

1. 본 인증서  
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Korea Testing Laboratory

안전인증번호: SU05026-7013A  
Certification No.

첨부 1 : 안전관리부품  
List of Critical Components

부품 및 재질목록  
Components

부품명 (회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Not Applicable				
<p><input type="checkbox"/> 유의사항 (Attention)</p> <p>1. 안전관리부품은 전기안전관리하는 사항입니다. 안전인증기관에 인증받은 부품으로서 안전인증기관이 정기공장검사 시 확인을 원하시는 경우는, As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등록을 원하시는 경우는, 변경신청을 하여야 합니다. The Safety Certification shall be checked for changing the items.</p> <p>2. 인증변경신청 없이 취소사유가 됨을 유 The Safety Certification 의 경우, 전기용품안전관리법 제 8 조제 1 항의 규정에 의한 안전인증을 취소할 수 있습니다. Paragraph 1 of Article 8 If the contents of the Certification is altered without our authorization, the certification will be cancelled under the Safety Control Law for Electrical Appliances.</p>				

FP511-10-00



Korea Testing Laboratory

안전인증번호: SU05026  
Certification No.

11-7013A

첨부 2 : 기본모델 파생모델의 내용  
General description of Certified Products

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
SMT T4A 250V	Rated current and breaking capacity are changed (T 4 A 250 V, 40 A)
	제품특기사항 및 시험조건 Remarks & Test conditions
1. Test Report Ref. No.: 07-1920-3929 (2007.09.19.)  2. Product Description - Miniature fuses - Standard sheet 4 - Time-lag type - Low-breaking capacity - T 3.15 A 250V, 35 A	
<input type="checkbox"/> 본 제품의 시험내용에 시험 담당자 / 연락처 <input type="checkbox"/> If you have any questions Job holder: Digital Industry FP511-09-00	관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 디지털산업본부 전기전자평가센터 조인철 / (02)860-1425 In case of product testing, please contact the person below : Industry Division, Electrics&Electronics Testing Center,, INCHUL CHO/+82 2 8601-425

첨부 3 : 전기용품안전인증의 변경 현황  
Status of Certificate Revisions

	변경발급 내용 Contents of Certificate Revisions
1st Rev.) EK Certificate	Certificate update to KC certificate (11-1920-3417 : 2011.06.17.)
FP511-11-00	