



<h1>AAEON</h1>	<p style="text-align: center;">APPROVAL SHEET</p> <p>NO. EE-A011553 First Source</p>
研揚科技股份有限公司	

<input checked="" type="checkbox"/> 合格 APPROVAL	<input type="checkbox"/> 不合格 REJECTED	<input type="checkbox"/> 試用 LIMITED QTY _____ PCS	送樣次數 1 2 3
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品名規格 Part Description Inverter.DC TO AC.TOSHIBA LTM12C275C 12.1" 2LAMP.SUMIDA.IV25185/T.SPEC. NO:II05-400-5051											
研揚料號 Part No.	1	2	5	4	1	5	1	8	5	0	使用機種

製造商 / 代理商	SUMIDA
廠商型號	IV25185/T

備註 Remark 已 Key-in



SIGNATURE	OK/CA/NG	DATE
檢驗者 滑明正	OK	28-Dec-01
審核 張元平	OK	28.12.01
應用工程師		
文件管制課 周麗鳳 陳怡伶	OK	90.12.31
備註 1、以上所記，已經檢驗過，並給予承認。 2、本單不能代替採購單及其它用途。 3、如涉及專利及法律之問題，應由送樣廠商負全責		

採	購	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	帶
生	管	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
廠	商	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
品	保	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
研	發	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
文件管制課		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

圖磁樣底打 GERBER
面片品片孔 FILE



KAI HWA CIRCUITS INDUSTRIAL CO LTD
 MR J YUAN
 16 LANE 311 TUNG WAN SHOU RD
 KUEI SHAN HSIANG
 TAOYUAN HSIEN 333 TAIWAN

Your most recent listing is shown below. Please review this information and report any inaccuracies to the UL Engineering staff member who handled your Assignment.

ZPMV2 September 4, 1996
 Component - Wiring, Printed

KAI HWA CIRCUITS INDUSTRIAL CO LTD E88657 (S)
 16 LANE 311 TUNG WAN SHOU RD KUEI SHAN (A card)
 HSIANG, TAOYUAN HSIEN 333 TAIWAN

Typ	Clad Cond Width		Thk Mils	SS/DS+	Max Area Diam In	Sold Lts C	Max Oper Temp C	UL94 Flame Class	Meets UL796 Dr Sup	CTI	
	Min In	Edge In									
Single layer printed wiring boards.											
001HB	0.011	0.021	1.3	SS	1.0	260	5	105	94HB	A	---
002V0	0.011	0.021	1.3	SS	1.0	260	10	105	94V-0	ALL	---
005V0	0.008	0.018	1.3	SS	1.0	260	10	105/75	94V-0	ALL	---
004V0	0.008	0.018	1.3	SS	1.0	260	10	105	94V-0	ALL	---
003HB	0.008	0.018	1.3	SS	1.0	260	10	105	94HB	ALL	---
003V0	0.004	0.008	0.85	SS	1.0	274	15	130	94V-0	ALL	---
003V0A	0.004	0.008	0.85	SS	1.0	260	10	120	94V-0	ALL	---
011V0	0.004	0.012	0.85	DS	1.0	274	15	130	94V-0	ALL	---

Reports: October 10, 1986; October 10, 1986; July 13, 1992; July 13, 1992; July 13, 1992; October 10, 1986; July 29, 1994; February 16, 1981.

Replaces E88657A dated May 1, 1996.
 262731001 H8778 Underwriters Laboratories Inc.®

(Cont. on B card)
 DIV0105765
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For information on placing an order for UL Listing Cards in a 3 x 5 inch card format, please refer to the enclosed ordering information.

UNDERWRITERS LABORATORIES INC.

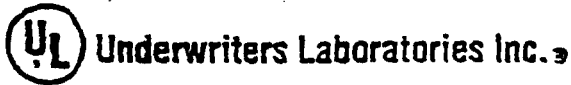
A not-for-profit organization dedicated to public safety and committed to quality service

333 Pfingsten Road
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12 Laboratory Drive
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 Research Triangle Park,
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 919/549-1400
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 FAX No. (919) 547-6000



JAPAN SOLDERLESS TERMINAL MFG CO LTD
 MR T KATSUMATA
 3-9-23 TAKESHIMA
 NISHIYODOGAWA-KU
 OSAKA JAPAN

Your most recent listing is shown below. Please review this information and report any inaccuracies to the UL Engineering staff member who handled your Assignment.

EC8T2 June 28, 1996
 Component - Connectors For Use In Data, Signal, Control And Power Applications

JAPAN SOLDERLESS TERMINAL MFG CO LTD E50389 (M)
 (A005-cont. from A card)

Type EC or F, Series DE.
 Type EC or F, Series EC.
 Type F or FR, Series FAZ, FC, F0Z, FE, FF, FFS, FLZ, FM, FMD, FMH, FMS, FMZ, FPZ, FRZ, FSD.
 YH: Type F or RVQ, Series RVQ.
 Type H, Series AQ, FJ, HQS, HQF, HQM, HQS, HVQ, JE, JF, JL, JPO, JQ, JV, MQ, SQ.
 Type H, Series SH, SM, M, LH, NH, NV, NVA, PH, PND, VA, VB, VM, VT, XA, XL.
 Type H, Series SR, CR, OR, ER, HR, HRW, KR, KRD, NR, NRD, RH, SR, VR, XR.
 Type H, Series NAL, RCT, SM.

Reports: December 27, 1983; April 22, 1987; December 21, 1983; October 22, 1988; January 14, 1983; August 27, 1987; June 21, 1979.

Replaces E50389A005 dated June 26, 1996.
 449962006 Underwriters Laboratories Inc.®

(Cont. on B card)
 01/0299161
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For information on placing an order for UL Listing Cards in a 3 x 5 inch card format, please refer to the enclosed ordering information.

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 FAX No. (516) 271-3259

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12 Laboratory Drive
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 Research Triangle Park,
 North Carolina 27709-3995, USA
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 Telex No. 4817925
 FAX No. (919) 547-6000



The company named below has been authorized by Canadian Standards Association to represent the products listed in this record as "CSA Certified" and to affix the CSA Mark -  - to these products according to the terms and conditions of the CSA Service Agreement.

020812V0000 February 5, 1992(Replaces:February 4, 1992)

CLASS 6233 01 (Re-examination Service)

Page 2

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- Type CS, Cat No SFO-41T-2.3, for use with No 16 AWG stranded conductors, 250V, 10A, for use with No 18 AWG stranded conductors, 250V, 7A, for use with No 20 AWG stranded conductors, 250V, 5A.
- Series XH*, 16-pole max, 3A max, 250V, 85C, intended for use on No 22-30 AWG conductors.
- Type L, Series XL, 90C, 16 poles max, male and female, intended for assembly on No 16 to 26 AWG wire, 10A max (2-pole connectors on No 16 AWG wire), 250V max.
- Type L Series XL, Cat No B**P-XL-HDS, S**P-XL-HDS, 10A max, 250V max. (2 to 16 poles) double asterisk ** designate number of poles, poles 02 to 16.
- Type L, Series LC 90C, 4 poles, 250V max, male and female, (including Cat No LCK-04A) intended for assembly on No 18 to 24 AWG stranded conductors, 7A on 18 AWG, 5A on 20 AWG, 4A on 22 AWG, 3A on 24 AWG wire.
- Type RTS, Series RA (60 poles max), Series RB, RC (64 poles max), Series RD (16 poles max), Series RK and RX 125C, 2.54mm contact pitch, 1.0A, 300V, intended for installation by special power tools on solid or stranded conductors No 28 AWG tin plated soft copper wire.
- Moulded housings, 250V, 105C, Series 1P-187, 3V-187, 3V-187A, N1F-250 and contacts, STO-41T-187N, -187S, -187SA, HST1-61T-250, -81T-250, for use with No 12 to 22 AWG, AWM. Ratings of Series S and 250 contacts are as follows:
 - Series S; voltage 250V; temperature 105C max; current:
 - a. STO-41T-187N; 20 AWG, 5A; 18 AWG, 7A; 16 AWG, 12A;
 - b. STO-41T-187S, -187SA; 20 AWG, 4A; 18 AWG, 6A; 16 AWG, 10A.
 - Series 250; 250V; 105C max; current, 22 AWG, 3A; 20 AWG, 5A; 18 AWG, 7A; 16 AWG, 12A; 14 AWG, 17A; 12 AWG, 25A.
- Series NR and NRD, 250V max, 2A max, 85C, intended for installation by special tools on Nos 22-28 AWG stranded conductors.
- Connectors, 250V, Cat No SMF-01T-1.0 (having plastic housing), 105C and SMF-01T-1.3 (without housing) intended for installation by special tools on Nos 20 AWG (5A), 22 AWG (2A) and No 24 AWG (2A) stranded conductors.
- Connectors, single pole board-in type, Series SIN, used on printed circuit boards, Cat Nos SIN-001T-1.2, -1.2B, SIN-01T-1.2, -1.8, -1.8N, SIN-002T-1.0, -1.2N, SIN-21T-1.8, for sizes 30-18 AWG copper conductors, crimped using the manufacturer's automatic tools.
- Type V, Series V, rated 5A, 250V, 85C, 6-pole max, and SV or SLV, 10-poles max, for use with stranded copper conductors, Size 26 to 20 AWG.

(Cont'd)



Yellow card ratings for Stanyl (PA 46) continued

UL file no. E119177, Status February, 1996



DSM ENGINEERING PLASTICS & PERFORMANCE POLYMERS

Mtl Deg	Col	Min Thk mm	UL94 Flame Class	RTI °C			H W I	H A I	H V T R	D 4 9 S	C T I
				Elec	Mech with Imp	Mech w/o Imp					
Stanyl (PA 46 - glass fibre reinforced + flame retardant) (cUL recognition available)											
TE250F2	NC, BK	0.90	94V-0	130	110	110	4	0	-	-	-
		1.50	94V-0	130	110	120	2	0	-	-	-
		3.00	94V-0	130	110	120	1	0	1	7	3
TE250F3	NC, BK	0.90	94V-0	130	110	110	4	0	-	-	-
		1.50	94V-0	130	110	120	2	0	-	-	-
		3.00	94V-0	130	110	120	1	0	1	7	3
TE250F4	NC, BK	0.90	94V-0	130	110	110	4	0	-	-	-
		1.50	94V-0	130	110	120	2	0	-	-	-
		3.00	94V-0	130	110	120	1	0	1	7	3
TE250F6	All	0.35	94V-0	-	-	-	-	-	-	-	-
		0.75	94V-0	140	110	120	0	0	-	-	-
		1.50	94V-0	140	125	125	0	0	-	-	-
		3.00	94V-0	140	130	130	0	0	1	6	2
TE250F6 100 % Regrind	NC, BK, WT	0.40	94V-0	-	-	-	-	-	-	-	-
		0.75	94V-0	-	-	-	-	-	-	-	-
		1.50	94V-0	-	-	-	-	-	-	-	-
		3.00	94V-0	-	-	-	-	-	-	-	-
TE250F7	NC, BK, WT	0.75	94V-0	140	110	120	0	0	-	-	-
		1.50	94V-0	140	125	125	0	0	-	-	-
	All	3.00	94V-0	140	130	130	0	0	0	7	2
TE250F7 100 % Regrind	All	0.75	94V-0	-	-	-	-	-	-	-	-
		1.50	94V-0	-	-	-	-	-	-	-	-
		3.00	94V-0	-	-	-	-	-	-	-	-
TE250F8	NC, BK, WT	0.75	94V-0	140	110	120	0	0	-	-	-
		1.50	94V-0	140	125	125	0	0	-	-	-
	All	3.00	94V-0	140	130	130	0	0	0	7	2
TE250F8 100 % Regrind	All	0.75	94V-0	-	-	-	-	-	-	-	-
		1.50	94V-0	-	-	-	-	-	-	-	-
		3.00	94V-0	-	-	-	-	-	-	-	-
TW250F9	NC, BK, WT	0.75	94V-0	140	110	120	0	0	-	-	-
		1.50	94V-0	140	125	125	0	0	-	-	-
	All	3.00	94V-0	140	130	130	0	0	0	7	2
TW250F9 100 % Regrind	All	0.75	94V-0	-	-	-	-	-	-	-	-
		1.50	94V-0	-	-	-	-	-	-	-	-
		3.00	94V-0	-	-	-	-	-	-	-	-
TW250F6	NC, BK	0.75	94V-0	140	120	130	0	0	-	-	-
		1.50	94V-0	140	130	140	0	0	-	-	-
		3.00	94V-0	140	140	140	0	0	1	7	3



JAPAN SOLDERLESS TERMINAL MFG CO LTD
 MR T KATSUMATA
 3-9-23 TAKESHIMA
 NISHIYODOGAWA-KU
 OSAKA JAPAN

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EC8T2 June 28, 1996
 Component - Connectors For Use In Data, Signal, Control And Power Applications

JAPAN SOLDERLESS TERMINAL MFG CO LTD E60389 (M)
 (A005-cont. from A card)

Type EC or F, Series OE.
 Type EC or F, Series EC.
 Type F of FR, Series FAZ, FC, FOZ, FE, FF, FFS, PLZ, FM, FMD, FMN, FMS, FMZ, FPZ, FRZ, FSD.
 YH: Type F or RVQ, Series RVQ.
 Type H, Series AQ, FJ, HQB, HQF, HQM, HQS, HVL, JE, JF, JL, JPO, JQ, JV, MQ, SQ.
 Type H, Series SH, SH, H, LH, NH, NV, NVA, PH, PHO, VA, VB, VH, VT, XA, XH.
 Type H, Series BR, CR, OR, ER, HR, HRW, KR, KRO, NR, NRO, RH, SR, VR, XR.
 Type H, Series HM, RCT, SM.

Reports: December 27, 1983; April 22, 1981; December 21, 1983; October 22, 1988; January 14, 1983; August 21, 1981; June 21, 1979.

Replaces E60389A005 dated June 26, 1996.
 449962006 Underwriters Laboratories Inc.®

(Cont. on B card)
 011/0299161
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For information on placing an order for UL Listing Cards in a 3 x 5 inch card format, please refer to the enclosed ordering information.

UNDERWRITERS LABORATORIES INC.

A not-for-profit organization dedicated to public safety and committed to quality service

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 919/549-1400
 Telex No. 4937923
 FAX No. (919) 547-4000



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020812V0000 February 5, 1992(Replaces:February 4, 1992)

CLASS 6233 01 (Re-examination Service)

Page 2

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- Type CS, Cat No SFO-41T-2.3, for use with No 16 AWG stranded conductors, 250V, 10A, for use with No 18 AWG stranded conductors, 250V, 7A, for use with No 20 AWG stranded conductors, 250V, 5A.
- Series XH*, 16-pole max, 3A max, 250V, 85C, intended for use on No 22-30 AWG conductors.
- Type L, Series XL, 90C, 16 poles max, male and female, intended for assembly on No 16 to 26 AWG wire, 10A max (2-pole connectors on No 16 AWG wire), 250V max.
- Type L Series XL, Cat No B**P-XL-HDS, S**P-XL-HDS, 10A max, 250V max. (2 to 16 poles) double asterisk ** designate number of poles, poles 02 to 16.
- Type L, Series LC 90C, 4 poles, 250V max, male and female, (including Cat No LCK-04A) intended for assembly on No 18 to 24 AWG stranded conductors, 7A on 18 AWG, 5A on 20 AWG, 4A on 22 AWG, 3A on 24 AWG wire.
- Type RTS, Series RA (60 poles max), Series RB, RC (64 poles max), Series RD (16 poles max), Series RK and RX 125C, 2.54mm contact pitch, 1.0A, 300V, intended for installation by special power tools on solid or stranded conductors No 28 AWG tin plated soft copper wire.
- Moulded housings, 250V, 105C, Series 1P-187, 3V-187, 3V-187A, N1F-250 and contacts, STO-41T-187N, -187S, -187SA, HST1-61T-250, -81T-250, for use with No 12 to 22 AWG, AWM. Ratings of Series S and 250 contacts are as follows:
 - Series S; voltage 250V; temperature 105C max; current:
 - a. STO-41T-187N; 20 AWG, 5A; 18 AWG, 7A; 16 AWG, 12A;
 - b. STO-41T-187S, -187SA; 20 AWG, 4A; 18 AWG, 6A; 16 AWG, 10A.
 - Series 250; 250V; 105C max; current, 22 AWG, 3A; 20 AWG, 5A; 18 AWG, 7A; 16 AWG, 12A; 14 AWG, 17A; 12 AWG, 25A.
- Series NR and NRD, 250V max, 2A max, 85C, intended for installation by special tools on Nos 22-28 AWG stranded conductors.
- Connectors, 250V, Cat No SMF-01T-1.0 (having plastic housing), 105C and SMF-01T-1.3 (without housing) intended for installation by special tools on Nos 20 AWG (5A), 22 AWG (2A) and No 24 AWG (2A) stranded conductors.
- Connectors, single pole board-in type, Series SIN, used on printed circuit boards, Cat Nos SIN-001T-1.2, -1.2B, SIN-01T-1.2, -1.8, -1.8N, SIN-002T-1.0, -1.2N, SIN-21T-1.8, for sizes 30-18 AWG copper conductors, crimped using the manufacturer's automatic tools.
- Type V, Series V, rated 5A, 250V, 85C, 6-pole max, and SV or SLV, 10-poles max, for use with stranded copper conductors, Size 26 to 20 AWG.

(Cont'd)



Yellow card ratings for Stanyl (PA 46) continued

UL file nr. E119177, Status February, 1996



DSM ENGINEERING PLASTICS & PERFORMANCE POLYMERS

Mtl Deg	Col	Min Thk mm	UL94 Flame Class	RTI °C			H W I	H A I	H V T R	D 4 9 5	C T I
				Elec	Mech with Imp	Mech w/o Imp					
Stanyl (PA 46 - glass fibre reinforced + flame retardant)											
(cUL recognition available)											
TE250F2	NC, BK	0.90	94V-0	130	110	110	4	0	-	-	-
		1.50	94V-0	130	110	120	2	0	-	-	-
		3.00	94V-0	130	110	120	1	0	1	7	3
TE250F3	NC, BK	0.90	94V-0	130	110	110	4	0	-	-	-
		1.50	94V-0	130	110	120	2	0	-	-	-
		3.00	94V-0	130	110	120	1	0	1	7	3
TE250F4	NC, BK	0.90	94V-0	130	110	110	4	0	-	-	-
		1.50	94V-0	130	110	120	2	0	-	-	-
		3.00	94V-0	130	110	120	1	0	1	7	3
TE250F6	All	0.35	94V-0	-	-	-	-	-	-	-	-
		0.75	94V-0	140	110	120	0	0	-	-	-
		1.50	94V-0	140	125	125	0	0	-	-	-
		3.00	94V-0	140	130	130	0	0	1	6	2
TE250F6 100 % Regrind	NC, BK, WT	0.40	94V-0	-	-	-	-	-	-	-	-
		0.75	94V-0	-	-	-	-	-	-	-	-
		1.50	94V-0	-	-	-	-	-	-	-	-
		3.00	94V-0	-	-	-	-	-	-	-	-
TE250F7	NC, BK, WT	0.75	94V-0	140	110	120	0	0	-	-	-
		1.50	94V-0	140	125	125	0	0	-	-	-
	All	3.00	94V-0	140	130	130	0	0	0	7	2
TE250F7 100 % Regrind	All	0.75	94V-0	-	-	-	-	-	-	-	-
		1.50	94V-0	-	-	-	-	-	-	-	-
		3.00	94V-0	-	-	-	-	-	-	-	-
TE250F8	NC, BK, WT	0.75	94V-0	140	110	120	0	0	-	-	-
		1.50	94V-0	140	125	125	0	0	-	-	-
	All	3.00	94V-0	140	130	130	0	0	0	7	2
TE250F8 100 % Regrind	All	0.75	94V-0	-	-	-	-	-	-	-	-
		1.50	94V-0	-	-	-	-	-	-	-	-
		3.00	94V-0	-	-	-	-	-	-	-	-
TW250F9	NC, BK, WT	0.75	94V-0	140	110	120	0	0	-	-	-
		1.50	94V-0	140	125	125	0	0	-	-	-
	All	3.00	94V-0	140	130	130	0	0	0	7	2
TW250F9 100 % Regrind	All	0.75	94V-0	-	-	-	-	-	-	-	-
		1.50	94V-0	-	-	-	-	-	-	-	-
		3.00	94V-0	-	-	-	-	-	-	-	-
TW250F6	NC, BK	0.75	94V-0	140	120	130	0	0	-	-	-
		1.50	94V-0	140	130	140	0	0	-	-	-
		3.00	94V-0	140	140	140	0	0	1	7	3





Research Triangle Park,
North Carolina • (919) 548-1600
Gales, Washington • (360) 917-

LITTELFUSE INC
MR W TRAVIS
800 E NORTHWEST HWY
DES PLAINES IL 60016



Your most recent listing is shown below. Please review this information and report any inaccuracies to the UL Engineering staff member who handled your UL project.

JOYX2 October 27, 1997
Component - Fuses, Miscellaneous, Miniature, and Micro

LITTELFUSE INC

E10480 (N)

(C1 - cont. from C card)

Series 492, 454 followed by .375 to 005 incl., with or without one prefix and with or without up to three additional suffix letters, rated 375-5 amps, 125 v, ac or dc.

Series 429 followed by 0.125 to 008 incl., rated 1/8-3/8 amp, 125 v, ac or dc; 1/2-2 amps, 63 v, ac or dc; 2-1/2-3 amps, 32 v, ac or dc; 4-8 amps, 24 v ac or dc. Series 430, rated 0.5-2 amps, 63 v ac/dc. Series 431 followed by 0.25 to 005 incl., rated 0.25-5 amp, 32 v, ac or dc.

Cat. No. 450002, rated .500 amps. Cat. No. 450003, rated 3 amps with or without one prefix, with or without up to three additional suffix letters.

For use on surface mount printed wiring boards.

Micro, Accuguard Series.

Cat. Nos. 418.200, 418.250, 418.375, 418.500, 418.750, 4181.25, 4181.75, 41801.5, 418001, 418002, rated 0-2 amps 32 v.

Reports: July 8, 1992; February 21, 1995; July 5, 1992; February 21, 1995.

Replaces E10480C1 dated March 6, 1997.

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Underwriters Laboratories Inc.

(Cont. on D card)

011/2227694

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For information on placing an order for UL Listing Cards in a 3 x 5 inch card format, please refer to the enclosed ordering information.

UNDERWRITERS LABORATORIES INC.



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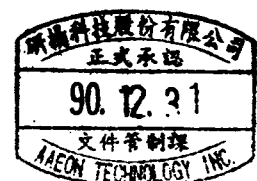


Certification Record No: 029882X0000

Class No: 1422 01

Date: December 19, 1996

- Supplemental fuses Catalogue Series 239 and 238 (pigtail) cartridge type, 5mm by 20mm; 3A and less 250V; 4A, 125V; short circuit rating - 10000A at 125V, 35A at 250V for 1A and less ratings, 100A at 250V for 1.1-3A ratings.
- "Nano" fuses, Cat Series 271, cartridge type; 0.5A and less, 125V ac and less, IR125-50A; 0.6A to 4A, 60V ac and less, IR60-50A; 4.1A to 15A, 32V ac and less, IR32-50A.
- "Nano" fuses, Series 429, 0.125-0.375A, 125V ac/dc, IR125V ac/dc-50A, 1/2-2A, 63V ac/dc, IR63V ac/dc-50A, 2-1/2-3A, 32V ac/dc, IR32V ac/dc-50A, 4-5A, 24V ac/dc, IR 24V ac/dc-35A intended for surface mount installation on pcb.
- "Nano" fuses, Series 431; 0.25-1.0A, 32V ac/dc, IR32V ac/dc-50A; 1.5-5A, 32V ac/dc, IR32V ac/dc-35A.
- "Nano" fuses, Series 430; 0.5-1.5A, 63V ac/dc, IR63 Vac/dc-50A; 2A, 63V ac/dc, IR63V ac/dc-35A.
- "Nano" fuses, Series 451 and 453, 0.062-15A, 125V ac/dc; Series 452, 5A and less, 125V ac, non-renewable, intended for surface mount installation on printed circuit boards.
- "Nano" fuse, Cat No 4500605, 3A, 125V ac/dc, IR 125V ac, -100A, IR 125V dc-300A.
- "Nano" fuses, Series 452 and 454, 3/8-5A, 125V ac/dc, IR125V ac/dc-50A, intended for surface mount installation on pcb.
- Micro fuses, Series 263, 0.070-5A, 250V ac, IR250-50A.
- Pico SMD fuses, Cat Series 459 followed by suffix 125 through 005, rated 125V ac or dc, 0.125-5A.
- Pico-Pak fuses, Cat Series 465, 467 followed by suffix 125 through 005, rated 125V ac or dc, 0.125-5A.
- Micro II fuses, Cat Series 461, 463 followed by suffix 125 through 005, rated 125V ac or dc, 0.125-5A.
- Pico SMD fuses, Series 460 followed by suffix 375 through 005, rated 125V ac or dc, 3/8-5A; IR 125V ac or dc, 50A.
- Pico-Pak fuses, Series 466, 468 followed by suffix 375 through 005, rated 125V ac or dc, 3/8-5A, IR 125V ac or dc, 50A.
- Micro II fuses, Series 462, 464 followed by suffix 375 through 005, rated 125V ac or dc, 3/8-5A, IR 125V ac or dc, 50A.
- Series 257 blade type fuses, 3A to 30A, 32V dc max.
- Cat No 8LC, 60A and less, 480V ac and less, IR480-10kA.
- Pico SMD fuses, Cat No 420001, rated 1A, 250V ac, IR250-35A.



QMFZ2 January 31, 1992
 Component - Plastics

SUMITOMO CHEMICAL CO LTD

SUMITOMO CHEMICAL CO LTD						E54705 (M)					
						(C1C-cont. from C18 card)					
E5008	All	0.42	94V-0	50	50	50	—	—	—	—	—
		0.80	94V-0	240	200	220	—	—	—	—	—
		1.53	94V-0	240	220	240	—	—	—	—	—
E5008L	All	3.11	94V-0	240	220	240	—	—	—	—	—
		0.30	94V-0	50	50	50	—	—	—	—	—
		0.79	94V-0	50	50	50	3	4	—	—	—
E6008	All	1.56	94V-0	50	50	50	1	4	—	—	—
		3.07	94V-0	50	50	50	0	4	0	4	4
		0.54	94V-0	50	50	50	—	—	—	—	—
		0.79	94V-0	220	180	220	—	—	—	—	—
		1.59	94V-0	220	200	240	2	4	0	—	—
		3.10	94V-0	220	200	240	1	4	0	5	3

Reports: November 1, 1990; November 1, 1990; October 31, 1990.

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N7047

Underwriters Laboratories Inc.®

(Cont. on C1D card)

01V0193044



To:

01/13/98

R D HSIANG



333 Pfingsten Road
Northbrook, Illinois 60062-2096
United States Country Code: (1)
(847) 272-8800
FAX No. (847) 272-8129
http://www.ul.com

JUNG SHING WIRE CO LTD
231 CHUNG CHENG RD, SEC 3
JEN-TEH HSIANG
TAINAN HSIEN TAIWAN



Your most recent listing is shown below. Please review this information and report any inaccuracies to the UL Engineering staff member who handled your UL project.

OBMW2 October 13, 1998
Component - Magnet Wire

JUNG SHING WIRE CO LTD
231 CHUNG CHENG RD, SEC 3 JEN-TEH HSIANG, TAINAN HSIEN
TAIWAN

E174837

Mkt Dsg	Mark Dsg	BC	Coat Typ	Overcoat	ANSI Type	Temp Class
UEW	—	Polyurethane	—	—	MW73C	130

Marking: Company name, material designation or marked designation on packaged or reel, and Recognized Component Mark.

See General Information Preceding These Recognitions.
For use only in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.
Report: April 3, 1998.



Replaces E174837 dated April 6, 1998.
287806002 H3347 Underwriters Laboratories Inc.®

011/0343294
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For information on placing an order for UL Listing Cards in a 3 x 5 inch card format, please refer to the enclosed ordering information.

UNDERWRITERS LABORATORIES INC.

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committed to quality service.

Mtl Desg	Coating Type		ANSI Typ	TI
	BC	TC		
EIX	Polyester-imide	—	MW30	180
EIRX	Polyester-imide	—	MW72	180
A3X	Polyester-imide	Polyamide-imide	MW35	200
A3RX	Polyester-imide	Polyamide-imide	MW73	200
S11X	Polyester-imide	Polyamide-imide-phenoxy	—	200
NCX	Nylon	—	MW-6	105
PNX2	Polyester	Nylon	MW-24	155
UEX	Polyurethane	—	MW-75	130
PIX	Polyimide	—	MW-16	220

INSULATING DEVICES AND MATERIALS (NYV2)

Magnet Wire (OBMW2)—Continued

Mtl Desg	Coating Type		ANSI Typ	TI
	BC	TC		
PIRX	Polyimide	—	MW-71	220
S90X	Polyester-imide	Nylon	—	180
A3Z	Polyester-imide	Polyamide-imide	—	220
S13X	Polyurethane	Epoxy	—	130
AIX	Polyamide-imide	—	—	220
PEX	Polyester	—	—	155
UNX	Polyurethane	Nylon	MW-28	130
SUX	Modified Polyurethane	—	—	155
PNX	Polyester	Nylon	—	155
S10X	Polyester-imide	Phenoxy	—	180
SNX	Imide modified Polyurethane	Nylon	MW-28	155
SUX2	Modified polyurethane	—	—	155
SNX2	Modified polyurethane	Nylon	—	155
ED2	Polyesterimide	—	MW74	200
AMX	Modified polyester-imide	—	—	220
S11Z	Polyesterimide	Polyamideimide	Epoxy	220
HLX, HLRX	Polyesterimide	Polyamide-imide	MW73	200
* SFX	Modified polyurethane	—	MW35	155
SRX	Polyesterimide	Polyamide-imide	Epoxy	200
UELX	Polyurethane	—	—	130
UEX2	Polyurethane	—	—	130
PNX3	Polyester	Polyamide	MW24	155
PNX4	Polyester	Polyamide	—	180
A2X, ASX	Polyester	Polyamide-imide	MW35, MW73	200
A2Z, A5Z	Polyester	Polyamide-imide	—	220
S5Z	Polyester	Polyamide-imide-epoxy	—	220
GLX	Polyester	Polyamide-imide	MW35, MW73	200
SFNX2	Polyurethane	Polyamide	MW80	155
UEX3	Polyurethane	—	—	130
UTX, UTRX	Polyesterimide	Polyamide-imide	MW35, MW73	200

Marking: Company name and material designation on packages or reels.



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OBMW2 June 2, 1995
Component - Magnet Wire

TOTOKU ELECTRIC CO LTD E79029 (S)
(C-cont. from B card)

SF B MZW	Modified Polyester	Polyvinyl Butyral	155
SF B LOCK	Modified Polyester	Polyamide	155
SF FLW	Modified Polyester	—	MW26C 155
SF EW	Polyester-imide	—	MW77C 180
CFUEWB	Polyurethane	—	MW75C 130
FL EILOCKY	Modified Polyester	Polyamide	155
LSUEW	Polyurethane	—	130
SF BY	Modified Polyester	Nylon	MW27C 155

Reprints: May 9, 1983; May 9, 1993; May 9, 1993; May 9, 1993; May 9, 1993; March 17, 1994; February 7, 1995; February 7, 1995

Replaces E79029C dated February 17, 1995. (Cont. on D card)
715077002 N3108 Underwriters Laboratories Inc.* 01U0179203

OBMW2 June 2, 1995
Component - Magnet Wire

TOTOKU ELECTRIC CO LTD E79029 (S)
(E-cont. from D card)

* - May be suffixed by LZ. ‡ - May be suffixed by LZ, EL or LZL.
LZ - signifies magnet wires twisted together; EL - signifies base coated magnet wire laid parallel with top coat applied overall; LZL - signifies base coated magnet wire twisted together and covered with top coat overall.
Marking: Company name or trademark "Totoku" with or without suffix "J" and material designation on shipping container.

See General Information Preceding These Recognitions.
For use only in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Cards E79029D and E (two cards) replace E79029D dated February 17, 1995.
715077002 Underwriters Laboratories Inc.* 01U0277413

OBMW2 July 20, 1995
Component - Magnet Wire

TOTOKU ELECTRIC CO LTD E79029 (S)
(D-cont. from C card)

SF FLY #	Modified Polyester	Nylon	MW27-C 155
SF.BLOCKBS	Modified Polyester	Modified Polyamide	155
SF.EILOCKY ‡	Polyester-imide	Polyamide	180
SF.EILOCKBS	Polyester-imide	Modified Polyamide	180

Report February 7 1995.

Replaces E79029D dated June 2, 1995. (Cont. on E card)
715077002 N3108 Underwriters Laboratories Inc.* 01U0271429



OBMW2 July 27, 1995
Component - Magnet Wire

TOTOKU ELECTRIC CO LTD E79029 (S)
238 KAMIMARUKO MARUKO-MACHI CHIISAGATA- (A card)
GUN, NAGANO-KEN JAPAN

Mil Deg	Coating Type	TC	ANSI Typ	Tl
Magnet wiring coatings.				
UEW-1	Polyurethane	—	MW2.C	105
UEW-2	Polyurethane	—	—	130
UEW-3e	Polyurethane	—	MW75.C	130
UEY	Polyurethane	Nylon	MW28.C	130
PEW	Polyester	—	—	155
PEY	Polyester	Nylon	—	155
EW	Polyester-Imide	—	MW24.C	220
AW	Polyamide-Imide	—	—	220

Report May 9, 1983.

Replaces E79029A dated June 10, 1993. (Cont. on B card)
715077002 #3108 Underwriters Laboratories Inc.® 01U0096662

OBMW2 July 27, 1995
Component - Magnet Wire

TOTOKU ELECTRIC CO LTD E79029 (S)
(B-cont. from A card)

Mil Deg	Coating Type	TC	ANSI Typ	Tl
MZW.	Polyurethane	Polyvinyl Butyral	—	130
LOCKW	Polyurethane	Polyamide	—	130
PESW	Polyester	Polyamide	—	155
ELOCKW	Polyesterimide	Modified Epoxy	—	200
SF-8WA	Modified Polyester	—	MW26.C	155
SF-H EW	Modified Polyesterimide	—	—	180
THW	Polyesterimide	Polyamideimide	MW35C	200
LOCK Y	Polyurethane	Polyamide	—	130

Report May 9, 1983.

Replaces E79029B dated June 11, 1990. (Cont. on C card)
715077002 #3108 Underwriters Laboratories Inc.® 01U0096640



TERAOKA SEISAKUSHO CO LTD
4-22 HIROMACHI 1-CHOME SHINAGAWA-KU, TOKYO
JAPAN

E56086 (S)

Flame retardant aramid paper tape, Cat. Nos. 512F, 560F, 565S, 681S.
Flame retardant aramid paper tape, Cat. Nos. 560S, 561S, 562S, rated 200 C.
Flame retardant acetate cloth tape, Cat. Nos. 570F, 571F, 573F.
Flame retardant polyester film tape, Cat. Nos. 680F, 684F.
Flame retardant glass cloth tape, Cat. Nos. 510F, 540S, 541F, 685S.
Flame retardant glass cloth tape, Cat. No. 540S, rated 200 C.
Flame retardant cotton cloth tape, Cat. Nos. 590F, 715F.
Flame retardant polyimide film tape, Cat. Nos. 650S, 652S, 653F, 654S, rated 200 C.
Flame retardant teflon tape, Cat. Nos. 841, 846.
Flame retardant PVC tape, Cat. Nos. 305F, 307F, 380F.
Flame retardant polyester fiber tape, Cat. Nos. 511F, 531F.
Flame retardant epoxy varnish impregnated glass paper tape, Cat. No. 631F.
Flame retardant copper foil tape, Cat. No. 831S.
Flame retardant copper foil tape, Cat. No. 8321.
Flame retardant aluminum foil tape, Cat. Nos. 833, 834.
Flame retardant aluminum foil/kavlar tape, Cat. No. 392.
Flame retardant epoxy varnish impregnated polyester non-woven fabric tape, Cat. No. 530F@
rated 150 C.
Flame retardant polyethylene naphthalate film adhesive tape, Cat. No. 635F rated 150 C.
Polyester film tape, Cat. No. 631S, rated 130 C.
Polyester film tape, Cat. No. 632S@*, rated 130 C.
Flame retardant polyester film tape, Cat. No. 630F, rated 130 C.
Flame retardant polyester film/epoxy varnish impregnated polyester fiber tape, Cat. No. 673F.
rated 130C.

INSULATING TAPE (OANZ2) — Continued

Flame retardant polyester film/epoxy varnish impregnated polyester fiber/polyester film tape,
Cat. No. 850F, rated 130C.

Flame retardant polyphenylene sulfide film tape, Cat. No. 480, rated 155 C.

@ Comparative Tracking Index (CTI) performance level indicates material group I, PLC=0, CTI equal
to or greater than 600V.

* may not be marked flame retardant.

Marking: Company name or "E56086" and catalog designation and "Flame Retardant" if applica-
ble, printed on the central paper core or outer package.

