



LI TAI ELECTRONIC ENTERPRISE CO.,LTD

CUSTOMER

巨路

SPECIFICATION FOR APPROVAL

CUSTOMER PART NO:

LI TAI PART NO: PT-003700

DESCRIPTION: TRANSFORMER

DATE: 2005-01-04

- TAIWAN** ☐ **HEAD OFFICE** :2-2F,NO.16,Jian Ba Rd,Chang Ho,Taipei County, Taiwan 235.
紘聖貿企業有限公司：台北縣中和市健八路 16 號 2 樓之 2
TEL:(02) 8226-3838 FAX:(02) 8226-5522
- CHINA** ☐ **FUQING PLANT**: Rong-Qiao Ind.Park, Yuan-Hong Rd. Fu-Qing, FuJian, China.
福清景翔電子:福建省福清市宏路鎮融僑工業區福玉路
TEL:86-591-5382970 FAX:86-591-5381525
- ☐ **SHENZHEN PLANT**: No.276, Ming-Sheng Rd.Gong-Ming Town, Bao-An County,
Shen-Zhen, Guang-Dong, China.
深圳力泰:廣東省深圳市寶安區公明鎮民生路 276 號
TEL:86-755-27730621 FAX:86-755-27730576
- ☐ **SUZHOU PLANT**: 16jiangxu Rd Wuzhong district XukouTown,Suzhou city.
祥崴電子:江蘇省蘇州市吳中區胥口鎮蔣胥路 16 號
TEL:86-512-66629182 FAX:86-512-66210696

工程圖改版說明

客戶:		巨路			生產 分發單位		深圳-力泰	蘇州-翔崑	福清-景翔
型式:		EE-13		客戶料號:		力泰料號:		PT-003700	
版次	頁次	原內容		變更內容		日期		備註	
A0		ISSUE				2005-01-04			
備註						生產(發行)			

SPECIFICATION FOR APPROVAL		CUSTOMER: 巨路
LI TAI PART NO. :	REV. :	CUSTOMERPART NO.:
<i>PT-003700</i>	<i>A0</i>	
PART NAME :	SPEC. NO. :	ISSUE DATE
<i>TRANSFORMER</i>		<i>2005-01-04</i>

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APPROVAL BY	CHECK BY	DRAWING BY



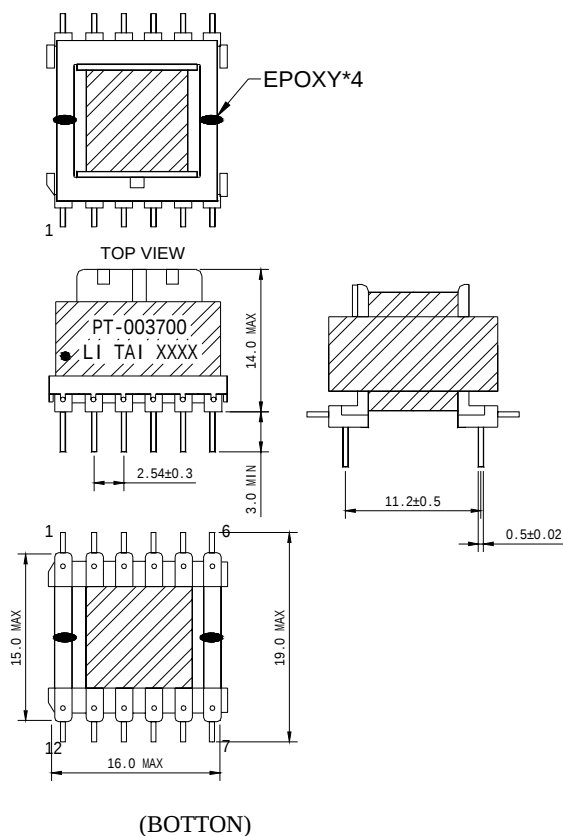
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1.Configuration & Dimension :

UNIT: m/m

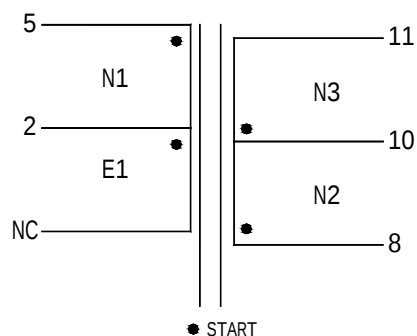


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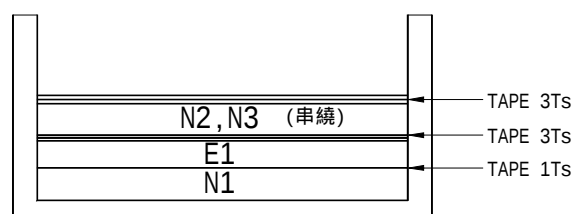
1.LOT NO. (XX XX)
YEAR WEEK

2.Winding Specification :

2-1 Schematic :



2-2 Winding Order :



NO.	Winding	Terminal	Wire	Turns	Remark
1	N1	5--2	2 UEW 0.12 ϕ	120	
2	E1	2--NC	2 UEW 0.12 ϕ	40	
3	N2	8--10	TEX-E 0.35 ψ *2	2	串繞
4	N3	10--11	TEX-E 0.35 ψ *2	3	



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3. Electrical Characteristics :

ELECTRICAL CHARACTERISTICS				
NO.	ITEM	TEST TERMINAL	SPECIFICATION	TEST INSTRUMENT
1	INDUCTANCE @10KHz ,50mV	L(5--2)	1.492mH $\pm 10\%$	WAYKE KERR 3260B LCR METER
2	DC.RESISTANCE	R (5--2)	5.18 Ω MAX.	CHEN HWA 502 OHM METER
		R(8--10)	10.2m Ω MAX	
		R(10--11)	15m Ω MAX	
3	HI-POT TEST	PRI TO SEC	3.0KVAC/5mA/1min	ZENTECH 9072A
		SEC TO CORE	0.5KVAC/5mA/1min	

4. Material List :

NO	SUB PART	RAW		MATERIAL		
		MANUFACTURER	DESCRIPTION	TYPE	FLAME/ TEMP	UL NO.
1	CORE	ACME ELECTRONICS CORP.	FERRITE CORE EE-13	P4	N/A	N/A
		FERROXCUBE ELECTRONICS CORP		3C90		
		SAMWHA ELECTRONICS CORP		PL-7		
2	BOBBIN	CHANG CHUN PLASTICS CO.,LTD	PHENOLIC	T375J	130	E41429 (S)
3	WIRE	HUI HONG WIRE CO.,LTD	POLYURETHANE	UEW MW-75	130	E169536 (S)
		PROSPERITY ELECTRIC WIRE &CABLE CO	POLYURETHANE	UEW MW75	130	E196072
		PACIFIC ELECTRIC WIRE & CABLE CO.,LTD	BC-POLYURETHANE OVERCOAT- POLYAMIDE	DD-NYU (ANSI MW-28)	130	E84081
4	TRIPLE WIRE	FURUKAWA ELECTRIC CO.,LTD	TRIPLE INSULATION WIRE	TEX-E	105	E206440 (S)
5	TAPE	MINNESOTA MINING & MFG CO.	POLYESTER THICKNESS	NO.1350F-1	130	E17385
		BONDTEC PACIFIC CO LTD	PET INSULATION TAPE	370S+\$	130	E175868
6	VARNISH	UNDERWOOD INDUSTRIES OF NEW YORK INC,DBA VIKING PRODUCTS		V1380	180	E60614
7	EPOXY	FLYGON ENGINEERING RESIN	K1401-11			

QMFZ2
Component-Plastics

May 16, 1989

SUMITOMO BAKELITE CO LTD

E41429 (M)

							(H1C-cont. from H1B card)				
PM-9820	BK	0.43	94V-0	150	150	150	—	—	—	—	—
		0.51	94V-0	150	150	150	3	1	—	—	—
		0.78	94V-0	150	150	150	1	2	—	—	—
		1.57	94V-0	150	150	150	0	2	—	—	—
		3.17	94V-0	150	150	150	0	2	0	5	3
	BN	0.70	94V-0	150	150	150	—	—	—	—	—

Report: May 14, 1974.

Cards E41429H1B H1C (two cards) replace E41429H1B dated January 18, 1988.

(Cont. on H2 card)

65340014

N7047

Underwriters Laboratories Inc.®

D11/0165756

QMFZ2
Component-Plastics

January 15, 1991

SUMITOMO BAKELITE CO LTD

E41429 (M)

							(11-cont. from I card)				
PM-9630	BK	0.40	94V-0	150	150	150	—	—	—	—	—
		0.51	94V-0	150	150	150	0	0	—	—	—
		3.18	94V-0	150	150	150	0	1	0	4	3
PM-8315	BK	0.50	94V-0	150	150	150	3	0	0	—	—
PM-8315J	BN	0.71	94V-0	150	150	150	2	0	0	—	—
		1.47	94V-0	150	150	150	0	2	0	—	—
		3.05	94V-0	150	150	150	0	1	0	5	4
PM-8315K	BK	6.10	94V-0	150	150	150	0	1	0	5	4
		0.78	94V-1	150	150	150	—	—	—	—	—
		1.52	94V-0	150	150	150	—	—	—	—	—
PM-8320J	BK	0.71	94HB	150	150	150	—	—	—	—	—
PM-8330	BK	0.71	94V-1	150	150	150	—	—	—	—	—
		1.57	94V-0	150	150	150	—	—	—	—	—
PM-8400	BK	0.71	94HB	150	150	150	—	—	—	—	—
PM-9830	BK	0.69	94V-0	150	150	150	0	0	—	—	—
		3.18	94V-0	150	150	150	0	0	0	4	3

Reports: March 29, 1985: May 14, 1974: September 16, 1971: September 16, 1971: September 16, 1971: September 16, 1971: March 29, 1985.

Replaces E4142911 dated February 28, 1990.

(Cont. on J card)

683540014

N7047

Underwriters Laboratories Inc.®

D11/0043416

Magnet Wire - Component

[Guide Information](#)

HUI HONG WIRE (HUI ZHOU) CO LTD
SHUEI YUAN RD
RUHU
HUIZHOU GUANGDONG, CHINA

E169536

Mtl Dsg	Coating Type		ANSI Type	TI
	BC	TC		
UEW	Polyurethane	—	MW75-C	130
PEW	Polyester	—	MW5-C	155
PENF	Polyester-	Polyamide	MW24-C	155
	imide			
AIW	Polyamide-	—	MW81-C	220
	imide			
UEWF	Polyurethane	—	MW79-C-C	155
UEWH	Polyurethane	—	MW82-C	180
EIAI	Polyester-	Polyamide-	MW 35-C,	200
	imide	imide	MW73-C	
ESAI	Polyester-	Polyamide-	MW35-C,	200
	imide	imide	MW73-C	155
TSHF	Polyurethane	Polyurethane	—	155
	Over			
	Coat			
TSHF	Polyurethane	Polyurethane	—	155
	Over			
	Coat with			
	Polyamide-			
	imide			

(Systems, Electrical Insulation - Component) Magnet Wire - Component

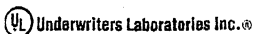
Guide Information

PROSPERITY ELECTRIC WIRE & CABLE CO
SHIN SHUI KOU ADMINSTRATIVE DISTRICT
CHAO TOU TOWN
DONGGUAN GUANGDONG, CHINA

E196072

Mtl Dsg	Mark Dsg	Coat Typ		ANSI Type	Temp Class
		BC	OC		
PEW	—	Polyester	—	MW5	155
EIW	—	Polyesterimide	—	MW74-C	200
UEW	—	Polyurethane	—	MW75	130
UEW-NY	—	Polyurethane	Polyamide	MW28C	130
UEWF	(1)	Polyurethane	—	MW79C	155
UEWFNY	(1)	Polyurethane	Polyamide	MW80C	155

(1)-Marked designations are the same as the material designations.



Melville, New York • (516) 271-6200
 Santa Clara, California • (408) 985-2400
 Research Triangle Park,
 North Carolina • (919) 548-1400
 Camarillo, California • (805) 817-5300

PACIFIC ELECTRIC WIRE & CABLE CO LTD
 MR D HAHN, MANAGER/OVERSEAS DIV
 4TH & 5TH FL
 PACIFIC COMMERCIAL BLDG
 285 CHUNG HSIAO EAST RD, SEC 4
 TAIPEI 10514 TAIWAN

RE: Project Number(s) - 98SC44927

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

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

OBMW2
 Magnet Wire - Component

June 3, 1999

PACIFIC ELECTRIC WIRE & CABLE CO LTD
 4TH & 5TH FL PACIFIC COMMERCIAL BLDG 285 CHUNG
 HSIAO EAST RD, SEC 4, TAIPEI 10514 TAIWAN

E84081

Mtl Dsg	BC	Coat Typ	OC	ANSI Type (+)	TI
Magnet wire.					
AIIEW-200	Polyester- imide		Polyamide- imide	MW35C or MW73C MW35A or MW73A	200 220
DD-F	Polyurethane		—	MW79	155
DD	Polyurethane		—	—	130
→ DD-NYU	Polyurethane		Polyamide	MW28	130
DDF-NY	Polyurethane		Polyamide	MW80C	155
SS-P	Polyester		—	MW5	155
SSU	Polyester		—	—	130
PEWH	Polyesterimide		—	MW30C	180
PALW	Polyester-imide		Polyamide- imide/ polyethylene	NW35C or MW73C	200

*ANSI Type applies to round magnet wire

Marking: Company name or E84081 and type designation on packages or reels.

See General Information Preceding These Recognitions

For use only in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

FURUKAWA ELECTRIC CO LTD

E206440

HIRATSUKA MAGNET WIRE WORKS

5-1-9 HIGASHI YAHATA

HIRATSUKA-SHI

KANAGAWA 254-0016, JAPAN

Cat Nos. FSX-E, SX-E, basic insulation rated 105° C, working voltage 354 Vdc or Vp.

Cat No. FWX-E, supplementary insulation rated 120° C, working voltage 354 V dc or Vp.

Cat Nos. TEX-E, TEX-EA, reinforced insulation rated 105° C, working voltage of up to 1.4 kV.

Cat No. TEX-ELZ, reinforced insulation rated 105° C, working voltage of up to 1.4 kV.

Cat No. TEX-ECEW3, reinforced insulation rated 105° C, working voltage of up to 1.4 kV.

Cat No. TEX-F, reinforced insulation rated 105° C, working voltage of up to 1.4 kV.

Cat No. TEX-B, reinforced insulation rated 130° C, working voltage of up to 1.4 kV

ELECTRICAL PRODUCTS DIV

3M AUSTIN CENTER

6801 RIVER PLACE BLVD

AUSTIN, TX 78726 USA

Aluminum foil pressure sensitive tapes, Nos. 1109, 1120, backing with conductive or nonconductive adhesive+.

Copper foil pressure sensitive tapes, Nos. 1125, 1126, backing with conductive or nonconductive adhesive+.

Flame retardant polyester film/epoxy resin composite insulating tape, No. 1(a), for use at temperatures not exceeding 130 C*.

Flame retardant polyester nonwoven/epoxy resin composite insulating tape, No. 10, for use at temperatures not exceeding 150 C*(a).

Flame retardant polyester film/epoxy resin composite insulating tape, No. Super 10(a), for use at temperatures not exceeding 155 C.

Flame retardant polyester nonwoven/epoxy resin composite insulating tape, No. 20+(a), for use at temperatures not exceeding 150 C*.

Flame retardant polyester film/epoxy resin composite insulating tape, No. Super 20(a), for use at temperatures not exceeding 155 C.

Polyester film/nonwoven composite insulating tape, Nos. MR94, MR94B(c), for use at temperatures not exceeding 130 C.

Polyester film/nonwoven composite insulating tape, No.44(a), 44-A(a), 44D-A(a), 44D(a), 44-18, Mil(a), 44-T(a), 44T-A(a), for use at temperatures not exceeding 130 C.

Polyester film/mat composite insulating tape, No. 55, for use at temperatures not exceeding 130 C.

Polyester film insulating tapes, Nos. 5, 54(a), 56(a), 75, 1318-1(a), 1318-2(a), 1318 clear (#)(a), 1318, MW (#)(a) for use at temperatures not exceeding 130 C.

Polyester film insulating tape, No. 1169, for use at temperatures not exceeding 130 C.

Polyester film insulating tape, Nos. 57(a), 58(a), 1291, for use at temperatures not exceeding 130 C.

Polyester film insulating tape, No. 74(a) for use at temperatures not exceeding 130 C.

Flame retardant polyester film insulating tape, Nos. 1298(b), 1298CR, 1350-1(b), 1350-2(b1), 1350CR -1 , 1350CR-2, 1350F-1(b), 1350F-2(b1), for use at temperatures not exceeding 130 C*.

Flame retardant polyester film insulating tape, Nos. 1351-1(a) and 1351-2(a), for use at temperatures not exceeding 130° C*.

BONDTEC PACIFIC CO LTD

EI75868

10TH FL, UNIT 1

DAH HU INDUSTRIAL ZONE

HSI CHIH, 31 LANE 169 KANG NING ST

TAIPEI HSIEN, TAIWAN

PET insulating tapewith acrylic adhesive, Cat. No. 370S+\$, rated 130C.

PET insulating tapewith acrylic adhesive, Cat. No. 371F+@, rated 130 C.

Reinforced PET insulating tapewith rubber based adhesive, Cat. No. 201-45+\$, rated 130 C.

Acetate cloth insulating tapewith rubber adhesive, Cat. No. 801+, rated 105 C.

PET film with non-woven polyester reinforcement fibers, acrylic adhesive, Cat. No. 201+\$, rated 130 C.

PET film with non-woven polyester reinforcement fibers, rubber adhesive, Cat. No. 201S+\$, rated 130 C.

Polyimide insulating tape with silicone adhesive, Cat. No. 911+, rated 200 C.

Aramid paper insulating tape with acrylic adhesive, Cat. No. 921F+, rated 155 C.

Teflon coated glass cloth insulating tape, with silicone adhesive, Cat. No. 945F+, rated 180C.

Teflon insulating tape , with silicone adhesive, Cat. No. 932F+, rated 180C.

+ Complies with flame retardant requirements when so marked.

@ Comparative Tracking Index (CTI) on backing and adhesive side, per UL746A, ASTM 3638 and IEC112, Group II, performance level PLC=1, 560 V or less.

\$ Comparative tracking Index (CTI) on backing and adhesive side, per UL 746A, ASTM3638 and IEC112, Group I, performance level PLC=0, 600 V or greater.

Marking: Company name, EI75868 and catalog designation printed on carton, wrapper and/or core.

OBJ52**2002/1/22****System Components, Electrical Insulation - Component****UNDERWOOD INDUSTRIES OF NEW YORK INC, DBA****E60614****VIKING PRODUCTS****456 BROAD ST****PO BOX 269****WAVERLY, NY 14892 USA**

System Component	System Designaion	System Temperature Class	System Maximum Voltage
C1525A,C1525F35,C1525G45, V1380,V1380FC,V1380FC Black, V1630, V1630FS, V1630FS50, V1630FS Black	"Viking F-1"	155(F)	600 v
C1525A,C1525F35,C1525G45, V1380,V1380FC	"Viking B-1"	130(B)	600 v
C1525A,C1525F35,C1525G45, V1380,V1380FC,V1630FS,V1630 V1380FC Black,V1630FS50,V1630FS Black	"Viking B-2"	130(B)	600 v
C1525A,C1525F35,C1525G45, V1380,V1380FC, -Black, V1630,V1630FS, V1630FS50,V1630FS Black	"Viking H-1"	180(H)	600 v
V1630, V1630FS,V1630FS50, V1630FS Black,V1380,V1380FC, V1380FC Black,C1525F35, C1525A, 1525G45	"Viking B-3"	130(B)	600 v
V1630FS50,V1630FS,V1630FS Black, V1630,V1380,V1380FC Black, V1380LT, V1380FC, C1525A,C1525G45 ,C1525F35	"Viking R-1"	220(R)	600 v

Marking: Company name and system component designation.

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