

SPECIFICATION FOR APPROVAL

MESSRS : SUH KWANG

ITEM: LINE FILTER

LF-07DD

DATE : 2007. 02. 05.



株式
會社

光 星 電 子



HEAD OFFICE

KWANG SUNG ELECTRONICS CO.,LTD.

108, 4 - KA, WONHYO - RO, YONGSAN - KU, SEOUL, KOREA

TEL : 82 - 2 - 713 - 6001

FAX : 82 - 2 - 712 - 0001

82 - 2 - 711 - 2001

R&D CENTER

KWANG SUNG ELECTRONICS H/K CO.,LTD. KOREA BRANCH

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GEUMCHUN - GU, SEOUL, KOREA

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HONG KONG OFFICE

KWANG SUNG ELECTRONICS H.K CO.,LTD.

UNIT7 - 9, 13/F, WAH WAI IND. CENTRE, 38 - 40

AU PUI WAN ST., FO TAN, N.T., HONG KONG

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CHINA FACTORY

SHEN ZHEN KWANG SUNG ELECTRONICS CO.,LTD.

SHITOUZHAN INDUSTRIAL ZONE, ZHUAN CHANG

VILLAGE, SHIYAN TOWN BAOAN DISTRICT,

SHENZHEN GUANG DONG PROVINCE, CHINA

TEL : 86 - 755 - 2765 - 4650

FAX : 86 - 755 - 2765 - 6007

: KS03QR0005 - A

A4(297X210)mm

MESSRS : SUHKWANG

LINE FILTER

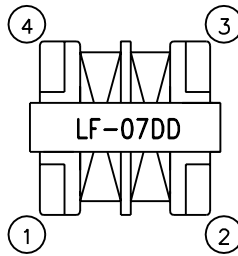
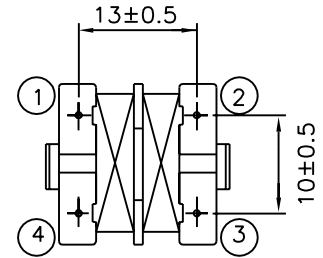
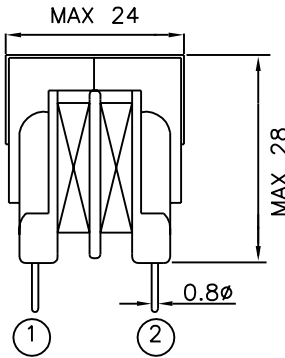
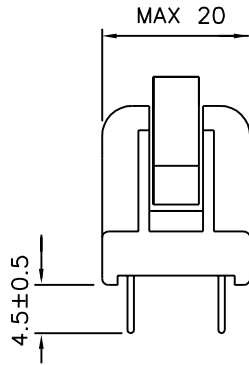
DATE : 2007. 02. 01.

KSE NAME : LF-07DD

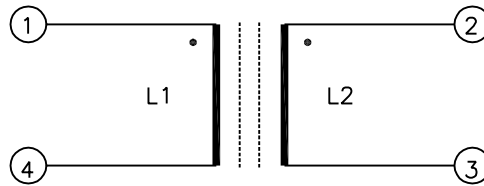
SPECIFICATION

PRODUCT CODE : 9F5

1. ITEM : FILTER LINE (LF-07DD)
2. APPEARANCE AND STRUCTURE







2-2. WINDING DIAGRAM (BOTTOM VIEW)



2-3. WINDING SPEC.

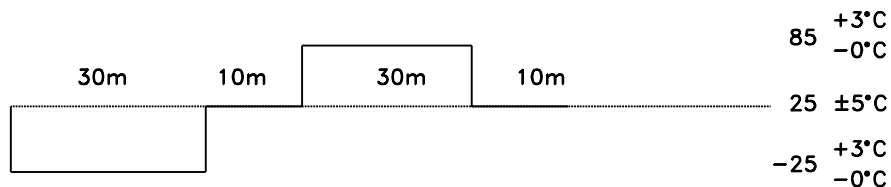
TERMINAL	WIRE	TURNS
1 - 4	2UEW 0.50φ	55Ts (Ref.)
2 - 3	2UEW 0.50φ	55Ts (Ref.)

DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED	APPROVED
		 技術 07. 02. 01 金賢渢	 技術 07. 02. 01 金會浣	 技術 07. 02. 01 朴鍾奎	 技術 07. 02. 01 張東俊

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4. ENVIRONMENTAL CHARACTERISTICS

4-1. TEMPERATURE CYCLING TEST



THE LINE FILTER SHALL BE CONDITIONED FOR 5 CYCLES OF ABOVE CYCLING CONDITION AND THAN REMOVED IN NORMAL ROOM AMBIENT 60 MINUTES AFTER THE PROCEDURE, IT SHALL SATISFY THE ELECTRICAL REQUIREMENTS SPECIFIED IN SECTION 3-6 AND, THERE SHALL NOT BE ANY ABNORMALITIES IN STRUCTURE.

4-2. RESISTANCE SOLDERING HEAT

WHEN LEAD WIRE DIPPED TO $3\pm 1\text{mm}$ FROM BOTTOM OF BOBBIN IN SOLDER OF $250^{\circ}\text{C}\pm 10^{\circ}\text{C}$ AND KEPT 5 ± 1 SECOND.
THE LINE FILTER SHALL BE NO ABNORMALITY

4-3. HUMIDITY RESISTANCE TEST

THE LINE FILTER SHALL BE CONDITIONED FOR 100 MINUTES AT 90 TO 95% RELATIVE HUMIDITY AND $40^{\circ}\text{C}\pm 2^{\circ}\text{C}$, THAN REMOVED IN NORMAL ROOM AMBIENT AT $25^{\circ}\text{C}\pm 5^{\circ}\text{C}$, 60 MINUTES AFTER THE ABOVE PROCEDURE, IT SHALL SATISFY THE ELECTRICAL REQUIREMENT SPECIFIED IN SECTION 3.

5. PHYSICS

5-1. VIBRATION TEST

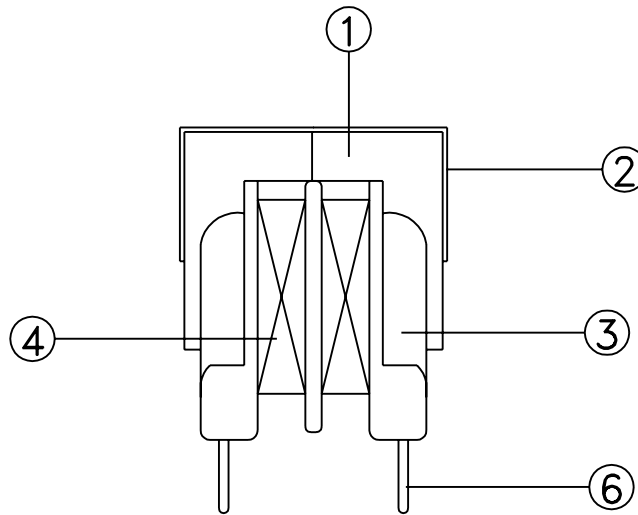
LINE FILTER SHALL BE SOLDERED WITH THE PRINTED BOARD OF 1.6mm THICKNESS AND THEN IT SHALL BE APPLIED WITH THE VIBRATION THAT THE AMPLITUDE IS 1.5mm AND THE FREQUENCY IS 10 TO 55Hz IN THE RIGHT-ANGLED 3 DIRECTIONS EACH FOR 2 HOURS. AFTER ABOVE PROCEDURE, THERE SHALL NOT BE ANY ABNORMALITIES IN ALL REQUIREMENTS.

5-2. TENSILE STRENGTH OF LEAD WIRE

FOR 5 SECONDS APPLYING A LEAD OF 1.0 Kg IN AXIS DIRECTION OF EACH LEAD WIRE. THERE SHALL NOT BE ANY ABNORMALITY.

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6. METERIAL LIST



NO.	COMPONENT	NAME OF MATERIAL	MANUFACTURER OF COMPONENT	UL FILE NO
1	CORE	R7K TL7 SM-70S UU1620 OR EQUIV.	DONG YANG MAGNETIC CO.,LTD. TIAN TONG ELECTRONIC CO.,LTD. SAM WHA ELECTRONIC CO.,LTD. OR EQUIV.	
2	CLAMP	UU1620	POONGSAN METAL CO., LTD.	
3	BOBBIN	PHENOL 94V-0, PF2736 V-0, PM8375 94V-0, T-355J	HEXION SPECIALTY CHEMICALS GMBH SUMITOMO BAKELITE CO.,LTD. CHANG CHUN PLASTICS CO.,LTD.	E61040(M) E41429(M) E 59481(S)
4	WIRE	0.50 ϕ (2UEW)	DONG YANG ELECTRONICS IND CO.,LTD. HOILUEN ELECTRICAL CO.,LTD.	E102761(N) E164409(S)
5	VARNISH	RF-1006 OR EQUIV.	LOLIDA CO., LTD. OR EQUIV.	
6	TERMINAL	SDCP (SOLDER DIPPED COPPER COVER STEEL WIRE) 0.8 ϕ	SAMATRON CO.,LTD.	

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9T5

* BOBBIN

HEXION SPECIALTY CHEMICALS GMBH
POSTFACH 7154
58609 ISERLOHN-LETMATHE, GERMANY

E61040

Material Dsg	Color	Min. Thk mm	UL94 Flame Class	Elec	RTI		H W I	H A I	H V T R	D 4 5	C T I
					With Imp	Mech W/o str					
PF 2736(a)(b)	BK	0.46	V-0	-	-	150	150	150	0	5	3
	ALL	0.81	V-1	0	2	150	150	150			
	NC,GN,BK	0.81	V-0	0	2	150	150	150			
	ALL	1.5	V-0	0	2	150	150	150			
		3.0	V-0	0	2	150	150	150			

(a) - Optional Suffix "H".

(b) - Grade designation may be followed by a four digit number representing color, P or S indicating type of molding, a single digit representing slight color variation.

Marking: Company name or tradename "BAKELITE", "RUTAFORM" and material designation on container, wrapper or finished part.

QMF22

Plastics - Component
SUMITOMO BAKELITE CO LTD

E41429

Material Dsg	color	MIN Thk mm	Flame Class	H W I	H A I	Elec	RTI		H W I	H A I	H V T R	D 4 5	C T I
							Imp	Mech str					
PM-8818	BK	0.75	V.O	-	-	-	-	-	-	-	-	-	-
Phenolic(GF), designated "SUMIKON" furnished as pellets or granular													
PM-2807	BK	0.40	V.O	-	-	150	150	150	-	-	-	-	-
PM-8875	BK	0.40	V.O	-	-	150	150	150	-	-	-	-	-
Phenolic(PF) designated "Sumikon" furnished as pellets, granular													
PM-0001	BK	0.71	H8	-	-	150	150	150	-	-	-	-	-
PM-1200	BK	0.71	H8	-	-	150	150	150	-	-	-	-	-
PM-1500	BK	0.61	H8	-	-	150	150	150	-	-	-	-	-
PM-200	BK	0.75	H8	-	-	150	150	150	-	-	-	-	-
PM-200L	BK	0.75	H8	-	-	150	150	150	-	-	-	-	-
		2.6	V.O	-	-	150	150	150	-	-	-	-	-
PM-3000	BK	0.50	V.O	-	-	150	150	150	-	-	-	-	-
PM-300	RD	1.5	H8	-	-	150	150	150	-	-	-	-	-
PM-300	BN,BK	0.47	V.O	-	-	150	150	150	-	-	-	-	-

QMF22

March 4, 1994

Component-Plastics

CHANG CHUN PLASTICS CO LTD

E59481 (S)

Material Dsg	Color	Min. Thk mm	UL94 Flame Class	Elec	RTI		H W I	H A I	H V T R	D 4 5	C T I
					Imp	Mech str					
T-355J	BK	0.62	94V-0	150	150	150	1	0	2	6	3
		0.80	94V-0	150	150	150	1	0	2	6	3
T359J	BK,BN	0.79	94HB	150	150	150	1	0	4	7	4
		1.57	94HB	150	150	150	1	0	4	7	4
		3.17	94HB	150	150	150	0	0	4	7	4
T373J	BK,BN	1.00	94V-1	150	150	150	2	0	3	6	4
		1.00	94V-0	150	150	150	2	0	3	6	4
T375J	BK,BN	0.79	94V-0	150	150	150	1	0	4	5	4
		1.58	94V-0	150	150	150	0	0	4	5	4
T377J	BK	3.17	94V-0	150	150	150	0	0	4	5	4
		0.79	94HB	150	150	150	2	0	4	7	4
		1.58	94HB	150	150	150	1	0	4	7	4
		3.17	94HB	150	150	150	0	0	4	7	4

Report: January 6, 1976.

Replaces E59481C dated February 7, 1989.
262854001 N7047 Underwriters Laboratories Inc.®

(Cont. on C1 card)
D11/0018965

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* WIRE

DONG YANG ELECTRONICS IND CO LTD **E102761 (N)**
660-1 BANWOL-RI TAIAN-EUB Hwasung-Gun,
KYONGGI-DO 445-970 KOREA

Mtl Dsg	BC	OC	ANSI Type	Tl
AI-EIW	Polyester-imide	Polyamide-imide	MW35	200
EIW	Polyester-imide		MW30	180
NY-EIW	Polyester-amide-imide	Polyamide	MW76	180
NY-PEW	Polyester	Polyamide	MW24	155
NY-PEW(F)	Polyester	Polyamide	MW24	155
NY-U EW	Polyurethane	Polyamide	MW28	130
U EW	Polyurethane	—	MW75	130

Marking: Company name or "E102761" and material designation or marked designation on package or reel and Recognized Component Mark.

OBMWZ January 29, 1999
 Component - Magnet Wire

HUI LUEN ELECTRICAL MFR CO LTD **E164409**
8TH FL, UNIT 1 HUI LUEN IND CENTRE 55 HUI YUEN RD, BLK **(A card)**
B, KWUN TONG KOWLOON HONG KONG

Mtl Dsg	BC	TC	ANSI Type	Tl
U EW	Polyurethane	—	MW75-C	130
PEW	Polyester	—	MW-3C	155
U EW	Polyurethane	—	MW28-C	130
EIW	Polyester-imide	—	MW30-C	180

Reports: August 8, 1995; February 2, 1998; August 8, 1995; January 22, 1999.

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