

SPECIFICATIONS

CUSTOMER	
ITEM	LINE FILTER
PART NO	3mH(UEW0.60Φx32x32T)
TYPE	T1906(V)

DESIGN	CHECK	APPROVAL
Y.R.JEON	S.S.LEE	H.J.CHO
2025. 02. 18.	2025. 02. 18.	2025. 02. 18.
A TERM OF VALIDITY		YEAR

REQUEST CUSTOMER	 NAMSUN ELECTRONICS CO., LTD		
ADDRESS	Na-350b, CHUNG ANG CIRCULATION COMPLEX 15 GYUNGINRO 53-GIL GURO-GU, SEOUL 08217, KOREA		
TEL	02-2689-9418	FAX	02-2689-8628
HOMEPAGE	http://www.nsn.co.kr		



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Revision 0

REVISION RECORD

REV NO.	DATE	PAGE	REVISION CONTENTS	REVISION REASON
0	25.02.18		-. 초기작성	
1				
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1. APPLICATION

This specification is applied to inspection and approval of the LINE FILTER for

2. GENERAL PREFERENCE

The reinspection & reapproval is required to change the structure, quality, progress of this specification.

3. ABSOLUTE REGULARITY

- 1) Keep temperature : -30℃ ~ 60℃
- 2) Keep humidity : 20% ~ 95%
- 3) Use temperature : -30℃ ~ 120℃ (include temperature rise)
- 4) Use humidity : 20% ~ 85%

4. MECHANICAL CHARACTERISTIC

1) TERMINAL TENSION INTENSITY

After fix the body the terminal shall withstand for 5 seconds without losing when a static load of 2.0Kg is applied to drawing direction of the terminal.

2) TERMINAL BEND INTENSITY

The terminal shall withstand without losing and shortage when return after bend 1 time to the left side and 1 time right side with a static load.

3) VIBRATION TEST

After fix a body of the vibration board the terminal shall withstand without losing and bend when operate vibration test of 3 direction (X,Y,Z) for 2 hours

- Frequency : 10 ~ 55
- Amplitude : 0.75

5. ELECTRICAL CHARACTERISTIC

1) INSULATION RESISTANCE

- ① LINE TO COVER : Shall be more than 300MΩ when measured with DC 500V.

2) WITHSTAND VOLTAGE

- ① LINE TO LINE : Shall be no damage when measured AC1.5KV, 5.0mA for 1 Min.



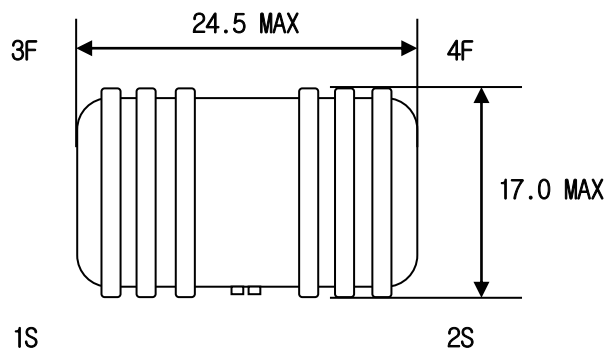
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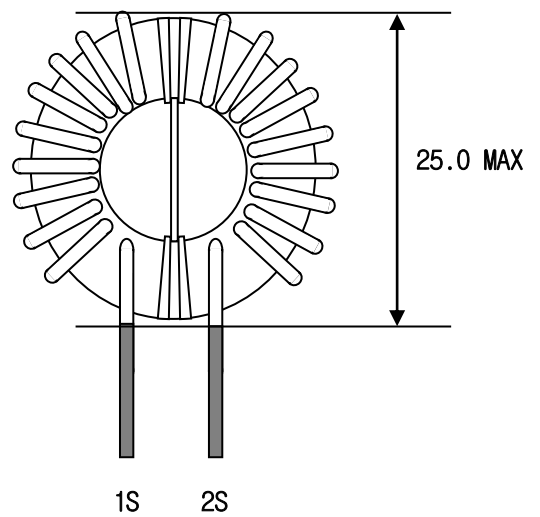
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6. APPEARANCE & DIMENSION

< TOP VIEW >



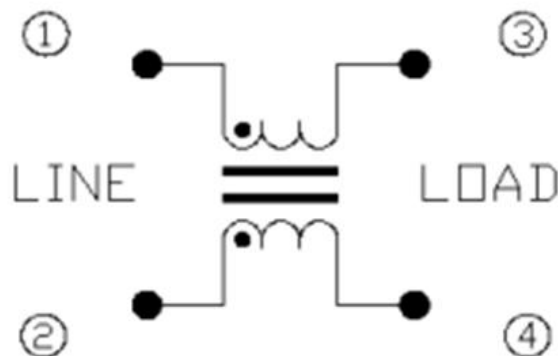
< FRONT VIEW >



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7. SCHEMATIC DIAGRAM



8. WINDING SPECIFICATION

NO	TERMINAL		WIRE	TURNS	WINDING METHOD
	S	F			
W1	1	3	UEW 0.60Ø * 1P	32 ± 2	HANDMADE (일반,D 권선)
W2	2	4	UEW 0.60Ø * 1P	32 ± 2	HANDMADE (일반,D 권선)

9. ELECTRICAL CHARACTERISTICS

NO	CLOSURE	TERMINAL NO.	SPECIFICATION	CONDITION
1	INDUCTANCE	1 - 3 2 - 4	3.0 mH MIN	LCR METER UC2878B-UCE at 1KHz,1Vrms. (25°C) [Ls MODE]
	UNBALANCE	W1 - W2	0.15 mH MAX	
2	WITHSTANDING VOLTAGE	LINE TO LINE	AC 1,500 Vrms, 1 MINUTE.	PUNCTURE TESTER CS2670AX CUT OFF CURRENT (5mA)
3	INSULATION RESISTANCE	LINE TO COVER	DC 500V, 300MΩ	PUNCTURE TESTER TOS-8850

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10. MATERIAL LIST

NO	COMPONENT	NAME OF MATERIAL	MANUFACTURER OF MATERIAL	UL No.
1	CORE	19*13*6 R10K 19*13*6 SM-100 19*13*6 KH10 19*13*6 GH10	LAIWU CHAINMELL SAMWHA ELECTRONICS CO.,LTD. SHANDONG KAITONG ELECTRON CO.,LTD. NANTONG GUANYOUDA MAGNET INDUSTRY CO,LTD.	
2	COVER KEY	P.B.T 94V-0	SAMYANG CORPORATION LG CHEM LTD CHANG CHUN PLASTICS CO LTD	E121254 E67171 E59481
3	WIRE	UEW 0.60Ø	CNI Electronics Co Ltd. ZHEJIANG HONGBO TECHNOLOGY CO.,LTD. HENG YA ELECTRIC (DONGGUAN) LTD	E210918 E221719 E197768
4	FLUX	HF-715K EF-9301	DUI YUAN TECH(HUIZHOU) CO.,LTD. ALPHA METAL.	
	SOLDER	SN99.5%, CU0.5% SN99.3%, CU0.7%	LT MATERIAL CO.,LTD. ALPHA METAL	



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11. UL LIST

★ YELLOW CARD ★

SAMYANG CORPORATION
407 3-Ga Palbok-Dong
Cheonju, Cheonbuk 54886 Republic of Korea

E121254

Polybutylene Terephthalate/Polyethylene Terephthalate (PBT/PET) "TRIBIT, Sam Yang's Co. Ltd. PBT"
furnished as pellets

Dsg	Color	Min Thk mm	Flame Class	HVI	HAI	RTI Elec Str	RTI Mech Imp	RTI Mech Str	HVTR	D495	CTI
1500GN-30	ALL	0.75	V-0	3	0	130	130	140	1	6	2
		1.5	V-0	2	0	130	130	140	-	-	-
		3.0	V-0	2	0	130	130	140	-	-	-

Marking: Company name or trademark "samyang", material designation on container, wrapper or finished part.

LG CHEM LTD
128 Yeou-dae-ro Yeongdeungpo-gu
Seoul, 07336 Republic of Korea

E67171

Polybutylene Terephthalate (PBT) furnished as pellets

Dsg	Color	Min Thk mm	Flame Class	HVI	HAI	RTI Elec Str	RTI Mech Imp	RTI Mech Str	HVTR	D495	CTI
LUPOK 6P2306F(#) LUPOK 6P2306F(#) LUTEL 6P2306F(#)	ALL	0.1	-	-	-	75	75	75	3	6	2
		0.71	V-0	4	1	140	140	140	-	-	-
		1.5	V-0	2	1	140	140	140	-	-	-
		3.0	V-0	0	0	140	140	140	-	-	-

(#) - May be followed by optional suffix letter from A-Z incl., except F, and except Grades HT700B, LI912A, LI912W, AF303G, AF303S, XR404T, XR407D, XR407E, HF380X, XR404E, XR404-G, XR404-P and LUMILOV GN2105F1.

Marking: Company name or trademark  LG Chem, material designation on container, wrapper or finished part.

CHANG CHUN PLASTICS CO LTD
No 8 Huaxi Rd
Daliao District
Kaohsiung City, 83164 Taiwan

E59481

Polybutylene Terephthalate (PBT), glass reinforced, "LONGLITE" furnished as pellets

Dsg	Color	Min Thk mm	Flame Class	HVI	HAI	RTI Elec Str	RTI Mech Imp	RTI Mech Str	HVTR	D495	CTI
4130	ALL	0.38	V-0	4	0	140	140	140	4	7	2
		0.74	V-0	4	0	140	140	140	-	-	-
		1.5	V-0, 5VA	3	0	140	140	140	-	-	-
		3.0	V-0, 5VA	2	0	140	140	140	-	-	-

Marking: Company name or tradename "LONGLITE", "SUMIKON" or trademark, material designation on container, wrapper or finished part.

COVER
KEY
(P.B.T)



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* YELLOW CARD *

WIRE
(UEW)

CNI Electronics Co Ltd E210918
201 Munmakgongdan-gil Munmak-eup, Wonju-si Gangwon-do 26362 KR

Mark Designation	ANSI Type	Temp (° C)	Basecoat	Topcoat	Bondcoat
UEW	HW 75C	130[#]	Polyurethane	-	-
	HW 79C	155	Polyurethane	-	-

[#] - The magnet wire may perform better than the rating reflects and may not be suitable for insulation system, varnish or end-product testing. Further consideration is necessary prior to its use in testing.

ZHEJIANG HONGBO TECHNOLOGY CO LTD E221719
Wan Tan Wan Industry Zone, Lianshi Town,
HUZHOU, ZHEJIANG 313013 CHINA

Mark Designation	ANSI Type	Temp (° C)	Base Coat	Top Coat	Bond Coat
xUEW/130, QA-x/130, xUEW@/130, QA@-x/130	HW 75-C	130[#]	Polyurethane	-	-
xUEW/155, QA-x/155, xUEW@/155, QA@-x/155	HW 79-C	155[#]	Polyurethane	-	-

[#] - The magnet wire may perform better than the rating reflects and may not be suitable for insulation system, varnish or end-product testing. Further consideration is necessary prior to its use in testing.

@ - May be prefixed by LZ signifies magnet wires twisted together.

x - Where x may be replaced by 0, 1, 2 or 3 denoting the coating thickness.

HENG YA ELECTRIC (DONGGUAN) LTD E197768
2 ZHENAN RD SOUTH INDUSTRY ZONE
XIAGANG VILLAGE CHANGAN TOWN
DONGGUAN, Guangdong 523873 China

Mark Designation	ANSI Type	Temp (° C)	Basecoat	Topcoat
TYAI-130(UEW/QA-B)	HW 75C	130[#]	Polyurethane	-
TYAI-U155(UEW/QA-F)	HW 79C	155	Polyurethane	-

[#] - The magnet wire may perform better than the rating reflects and may not be suitable for insulation system, varnish or end-product testing. Further consideration is necessary prior to its use in testing.

Marking: Company name, material designation or marked designation on the shipping spool label or smallest unit container in which the product is packaged.