






SPECIFICATIONS

CUSTOMER	
ITEM	LINE FILTER
MODEL	1mH(1.4x12Tx12TxH-TYPE)
TYPE	T2512(PBT)

DESIGN	CHECK	APPROVAL
		
2017.01.24.	2017.01.24.	2017.01.24.
A TERM OF VALIDITY		YEAR

REQUEST CUSTOMER	 NAMSUN ELECTRONICS CO., LTD		
ADDRESS	Na-3506, Chungang Circulation Complex, 1258 Kurobon-dong, Kuro-Ku, Seoul, Korea, 152-721		
TEL	02-2689-9418	FAX	02-2689-8628
HOMEPAGE	http://www.nsn.co.kr		

	MODEL	1mH(1.4x12Tx12TxH-TYPE)	Revision 0
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REVISION RECORD

REV NO.	DATE	PAGE	REVISION CONTENTS	REVISION REASON
0	17.01.24		- 초기작성	
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1. SCOPE

This specification applies to part number 1mH LINE FILTER

2. MECHANICAL

COIL – CHOKE shall conform in size, mounting dimension, and other mechanical properties, to the part drawing attached here to.

- 1) MARKING: LINE FILTER shall be permanently and legibly marked with the part number on the specified position.
- 2) TERMINAL STRENGTH: Terminal shall withstand for 30 seconds without breakdown on losing when a static load of 2 kg is applied in the drawing direction to the terminals at the where the external load.

3. ENVIRONMENTAL & LIFE CHARACTERISTIC

3.1 TEMPERATURE RISE

Temperature rise of the each winding and core shall be less than ambient 65℃, when the LINE FILTER continuously operated at full load(test load) until constant temperature is attained.

3.2 HAET-RESISTANCE

After 96±4 hours, 125℃±2℃ the insulation resistance should more than 100MΩ when be measured after 1~2 hours in the standard condition.

3.3 MOISTURE RESISTANCE

After 120±4 hours, 55℃±2℃ and 90~95% relative humidity the insulation resistance should more than 10 MΩ when be measured after 1~2 hours in the standard condition and wiped a drop of water.

3.4 SAFETY CONSIDERATION

COIL – CHOKE shall meet the all requirements subject to IEC-950 standards for safety of information technology equipment including electrical business equipment.

3.5 ABSOLUTE REGULARITY

- 1) Keep temperature : -25℃ ~ +85℃
- 2) Use temperature : -25℃ ~ +85℃

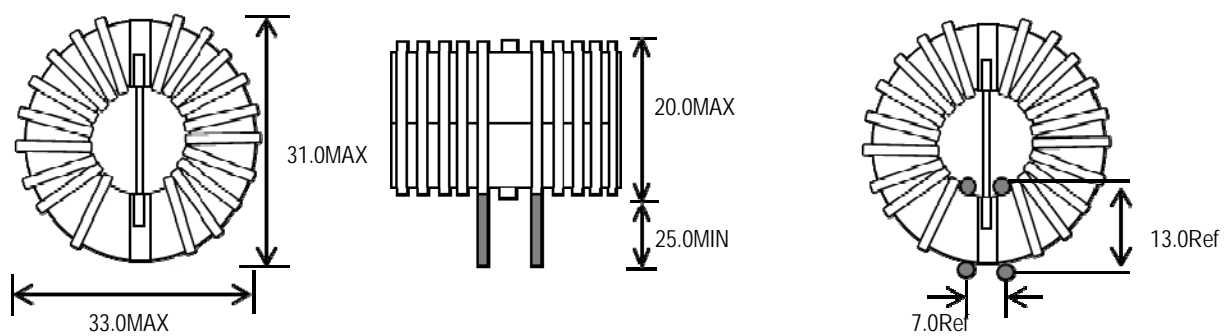



MODEL

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4. APPEARANCE & DIMENSION

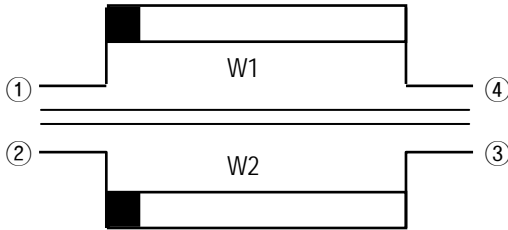


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5. ELECTRICAL CHARACTERISTIC


No.	CLOSURE	TERMINAL No.	ELECTRICAL CHARACTERISTICS	TOLERANCE	CONDITION
1	INDUCTANCE	S → F	1.0mH	+50% -30%	Agilent4263B At 1.0 KHz. LEVEL: 1.0V
2	LAYER SHORT	DC1.5V			
3	DC CURRENT OVERLAP	DC 0.5mA , (START TO FINISH)			
4	INSULATION RESISTANCE	DC 500V , 100MΩ MIN (COIL TO CORE)			
5	WITHSTAND VOLTAGE	DC 500V , 100MΩ MIN (COIL TO COIL)			

6. SCHEMATIC DIAGRAM

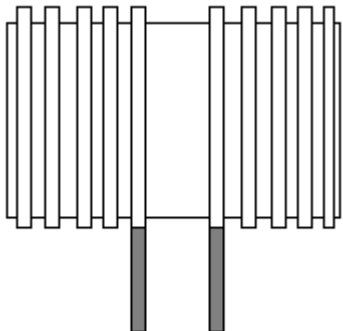
				
		WINDING	BOTTOM VIEW	C.C.W
		REMOVE PIN		
		CUT PIN		
		N.C PIN		

7. WINDING SPECIFICATION

WINDING ORDER	TERMINAL NO	WIRE	TURNS	WINDING METHOD
W1	1 → 4	2UEW 1.4Ø	12 Ts	SOLENOID
W2	2 → 3	2UEW 1.4Ø	12 Ts	SOLENOID

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8. INTERNAL STRUCTURE



9. MATERIAL LIST

NO	COMPONENT	NAME OF MATERIAL	MANUFACTURER OF MATERIAL	UL No.
1	CORE	T2512(,HM5A) OR25*10-15H(SM-100)	TODA ISU CORPORATION CO.,LTD. SAMWHA ELECTRONICS CO.,LTD. or EQV	
2	CORE COVER COIL SEPARATOR	PBT (SK655FR) PBT (VB-5300GF)	EI DUPONT DE NEMOURS & CO.,LTD LG CHEMICAL LTD or EQV	E41938 E67171(M)
3	WIRE	POLYURETHANE PEW1.4 Ø	TAIHAN ELETRIC WIRE CO.,LTD. DONGYANGELECTRONICSIND CO.,LTD or EQV	E109312 E102761
4	FLUX	LF - 715K	DUIYUANINDUSTRY SCIENCE&TECHNOLOGY or EQV	
5	SOLDER	SN99.5% , CU0.5%	HEESUNG MATERIAL CO.,LTD. DO SOL CO.,LTD	