



승 인	
정식승인	( )
한도승인	( )

# SPECIFICATIONS

CUSTOMER	
ITEM	LINE FILTER
MODEL NAME	NSV-1014
PART No	UU1014-20mH-V
DATE	2015-06-11

검 토	심 사	승 인
승인유효기간	승인일로부터	년

신청회사명	 <b>남선전자주식회사</b> 	TEL	02-2689-9418
		FAX	02-2689-8628
주 소	<b>NA-350b, CHUNG ANG CIRCULATION COMPLEX 15  GYUNGINRO 53-GIL GURO-GU, SEOUL 152-721, KOREA</b>		

# 개 정 이 력

CUSTOMER				MODEL NO	NSV-1014
PART NO		UU1014-20mH-V		ITEM	LINE FILTER
NO	DATA	Page	개 정 항 목	개 정 사 유	확 인
1	2014-06-09			초도발행	
2	2015-06-11	2		WIRE 선경변경( $\phi 0.17$ 에서 $\phi 0.2$ 변경)	
3	2015-06-11	2		WIRE 선경변경 구분으로 인한 마킹변경 2015년 6월11일 생산분부터 변경마킹적용	
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					

 **NAMSUN ELECTRONICS CO., LTD.**

Na-3506, Chungang Circulation Complex, 1258  
Kurobon-dong, Kuro-Ku, Seoul, Korea, 152-721  
TEL: 02-2689-9418 , FAX: 02-2689-8628

DESIGN

개발실  
추유섭  
14.06.09.

FILE NO.

CHECK

개발실  
이상순  
14.06.09.

APPROVAL

개발실  
조한석  
14.06.09.

NS -F6112-01

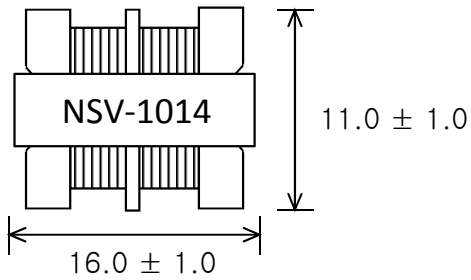
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PART NO.	UU1014-20mH-V	SIZE NO.	UU 1014 - V

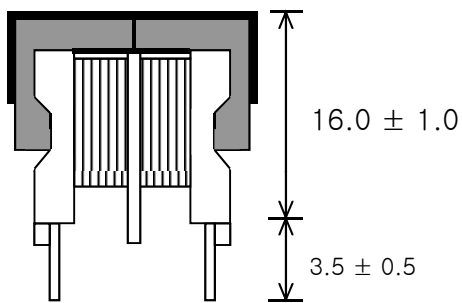
1. DIMENSION (UNIT:mm)

< TOP VIEW >

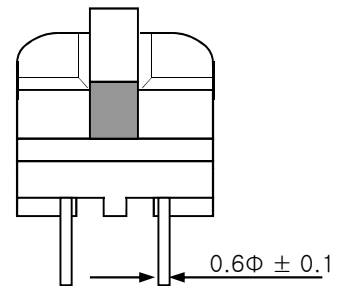


MARKING : NSV-1014

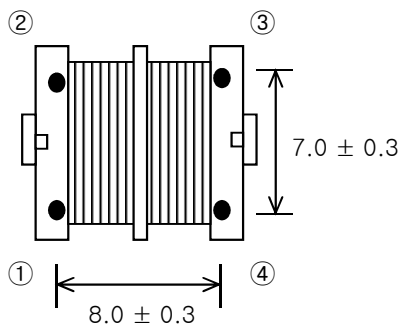
< FRONT VIEW >



< SIDE VIEW >



< BOTTOM VIEW >



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PART NAME

LINE FILTER

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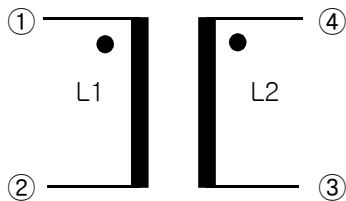
PART NO.

UU1014-20mH-V

SIZE NO.

UU 1014 - V

## 2. SCHEMATIC DIAGRAM



WINDNG

BOTTOM VIEW

C.C.W

N.C PIN

REMOVE PIN

## 3. WINDING SPECIFICATION

WINDING ORDER	COIL	TERMINAL (S - F)	WIRE	TURNS (Ts)	WINDING METHOD
1	L1	1 - 2	2 UEW 0.2Φ ( AWG # )	125 Ts	SOLENOID WINDING
2	L2	4 - 3			SOLENOID WINDING

## 4. INSULATION

NO	COIL	THICK (mm) X WIDTH (mm)	TURNS (Ts)	MANUFACTURE
1	L1			POLYESTER FILM TAPE (Cat No. DTS-204)
2	L2			
CORE FIXING TAPE				

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## 5. ELECTRICAL CHARACTERISTICS

NO	ITEM	TERMINAL	SPECIFICATION	REMARKS
5-1	INDUCTANCE	L1 ( 1 - 2 )	20 mH MIN	LEADER 745 LCR - METER at 1.0 KHz. 1.0V  ( 25 ℃ )
		L2 ( 4 - 3 )		
5-2	DIFFERENCE INDUCTANCE	L1 - L2	0.3 mH MAX	
5-3	DC RESISTANCE	L1 ( 1 - 2 )	ohm MAX	WHEATSTONE BRIDGE  (Y.E.W 2755)
		L2 ( 4 - 3 )		
5-4	DIELECTRIC STRENGTH	L1 COIL - L2 COIL	AC <u>2.0</u> KV r.m.s (1 MINUTE)	CUT OFF CURRENT : 5 mA  TOS - 8850
		L1 COIL - L2 COIL	AC <u>2.0</u> KV r.m.s (1 MINUTE)	
5-5	INSULATION RESISTANCE	COIL - COIL	100 M ohm MIN at DC 500V	TOS - 8850

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DESIGN CHECK APPROVAL

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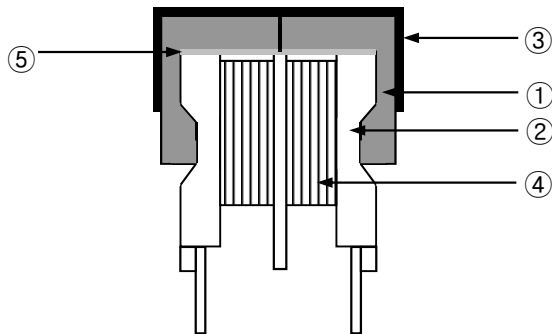
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CUSTOMER			
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## 6. SECTION DIAGRAM



## 7. MATERIAL LIST

NO	COMPONENT	NAME OF MATERIAL	MANUFACTURER OF MATERIAL	REMARKS
1	CORE	GP-5/9 (UU 1014) HM-3 (UU 1014) R10K (UU 1014)	SAMWHA ELECTRONICS CO.,LTD. ISU CO.,LTD. DMEGC MAGNETICS CO.,LTD	
2	BASE	PHENOL RESIN (PF2736) 94V-0	MONENTIVE SPECIALTY CHEMICALS GMBH	E61040(M)
3	SPRING HOLDER	STAINLESS STEEL SUS 31	JIN BO INDUSTRIAL CO.	
4	WIRE	POLYURETHANE UEW 0.2Φ	TAIHAN ELECTRIC WIRE CO., LTD. CNICABLE CO LTD	E109312(N) E210918
5	INSULATION TAPE	POLYESTER TAPE 0.025t x 4.5mm (Y)	METAL LINE CO LTD DUCK SUNG HITECH CO LTD	E162848(S) E105147(S)
6	VARNISH	DVA-1411	DAIHAN PAINT & INK CO.,LTD.	
7	SOLDER	SN98%,CU2%	ALPHA SOLDER CO.	

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PART NO.	UU1014-20mH-V	SIZE NO.	UU 1014 - V

TAIHAN ELECTRIC WIRE CO., LTD.

E 109312 (N)

194-15 1-KA HOEHYUN-DONG CHUNG-KU CPO  
BOX 2624, SEOUL KOREA

Mtl Dsg	Coat type BC	Overcoat	ANSI Type	T1
Magnet wire.				
EI-AIW	Ester-imide imide	Polyamide-imide	MW35.73	200
AL EI-AIW	Ester-imide	Polyamide-imide	MW35	240
EIW	Ester-imide	-	MW30.72	180
EIW-N	Ester-imide	Polyamide	MW76	180
AIW	Polyamide-imide	-	-	220
PEW-N	Polyester	Polyamide	MW76	180
SEIW	Solderable Polyester-imide	-	MW77	180
UEW	Polyurethane	-	MW75	130
UEW-N	Polyurethane	Polyamide	MW80	155

Reports : April 2, 1987; April 2, 1987; April 2, 1987; April 2, 1987; April 2, 1987; April 2, 1987; April 2, 1987; April 2, 1987; April 2, 1987.

DONG SUH ELECTRONICS CO., LTD

E 210918

55-1 BUNSU 3-RI KWANGTAN-MYUN PAJU KYONGGI-DO  
413-850, KOREA

Mtl Dsg	Mark Dsg	Coat type BC	Overcoat	ANSI Typ(+)	T1
DSUEW-100	(1)	Polyurethane	-	MW75C	130
UEW	(1)	polyurethane	None	MW79	155
				MW75	130(2)
PEW	(1)	Polyester	None	MW30	180
				MW5	155(2)

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

(2) Additional consideration is needed before its use in System's thermal aging.

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

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BAKELITE AG E 61040 (M)  
 POSTFACH 7154 58609, ISERLOHN-LETMATH FED  
 REP GERMANY

Phenolic molding compound(PF), desingnated "Rutaform" or "furnished in the form of pellets or powder

PF2836@	BK	1.50	94V-0	150	150	150	0	2	~	5	~
PF2736@	NC,GN	0.81	94V-0	150	150	150	0	2	~	5	~
	BK										
	ALL	0.81	94V-1	150	150	150	0	2	~	5	~
	ALL	1.50	94V-0	150	150	150	0	2	0	~	~
		3.00	94V-0	150	150	150	0	2	0	5	
PF2560@	ALL	1.50	94V-1	150	150	150	~	~	~	~	~
	BK,NC	1.50	94V-0	150	150	150	~	~	~	~	~
	ALL	3.00	94V-0	150	150	150	~	~	~	~	~
PF31@	ALL	1.50	94V-1	150	150	150	1	1	~	6	~
		3.00	94V-0	150	150	150	0	1	~	~	~
PF2744@	ALL	1.50	94V-0	150	150	150	0	1	~	5	~
PF2855@	ALL	3.00	94V-0	150	150	150	0	3	~	5	~
PF6506@	ALL	1.50	94V-0	150	150	150	0	2	~	5	~



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HYUN DAI CHEMICAL CO., LTD  
 258 YEULMI-RI SILCHON-MYON KWANGJU  
 KYONGGI-DO 464-870 KOREA

E 162848 (S)

Polyester tape with aprille adhedive, cat. no. 800 for use at temperature not mxddading 190 c.  
 Marking company name. catalog daeignation and temperature rating ptinted on darion .wrapper  
 or core.

See General informtion precading three recognitiona

For use only equipment where the adceptabination la datermined by undarwrii.  
 ars Laboratorles inc.

Report October 20. 1994.

1.06E+08      **underwriters Laboratoles inc.**      Dil/0264017

and Recognized Component Mark.

DUCK SUNG TAPE CO LTD  
 DAESUNG BLDG 677 JAYANG-DONG SUNGDONG-KU,  
 SEOUL 133-190 KOREA

E 105147 (S)

Polyester film insulating tape,cat.no. DTS-204 rated 130 C.

Acetate cloth insulating tape,cat.no. 231 rated 105 C.

Glass cloth insulating tape,cat.no. 220-B rated 130 C.

Acetate cloth insulating tape,cat.no. DTS-230 rated 105 C.

Marking:Company name or trademark    or "E105147" and catalog designation  
 printed on carton, wrapper or core.



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CUSTOMER

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NSV-1014

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SIZE NO.

UU 1014 - V

- VARNISH -

OBOR2

October 8, 1990

Component - Varnishes

DAIHAN PAINT &amp; INK CO LTD.

E 93947 ( S )

( B-cont. from a card )

DVA-1411	Helical Coil	Polyester	Polyamide	MW24	180
	Twisted Pair	Polyester	Polyamide	MW24	155
DVA-1422	Helical Coil	Polyester	Polyamide	MW24	155
	Twisted Pair	Polyester	Polyamide	MW24	155
DVB-2148L	Twisted Pair	Polyester		MW5	155
	Helical Coil	Polyester		MW5	155
	Twisted Pair	Polyester	Polyamide	MW24	155
	Helical Coil	Polyester	Polyamide	MW24	155

Marking : Company name and varnish designation on shipping container  
Report L : September 10, 1986.



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ITEM NO	WIRE (130℃)	P.S TAPE (130℃)		
1	OK	OK		
2	"	"		
3	"	"		
4	"	"		
5	"	"		
6	"	"		
7	"	"		
8	"	"		
9	"	"		
10	"	"		

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