

승 인	
정식승인	()
한도승인	()

SPECIFICATIONS

CUSTOMER	
ITEM	LINE FILTER
MODEL NAME	NS-20DD
PART No	UU1116-20mH(V-TYPE)
DATE	2010-05-07

검 토	심 사	승 인
승인유효기간	승인일로부터	년

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

개 정 이 력

CUSTOMER				MODEL NO	NS-20DD
PART NO		UU1116-20mH-V-TYPE		ITEM	LINE FILTER
NO	DATA	Page	개 정 항 목	개 정 사 유	확인
1	2010-05-07			초도발행	
2					
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DESIGN	CHECK	APPROVAL
FILE NO.	SH - 080827 - 32	

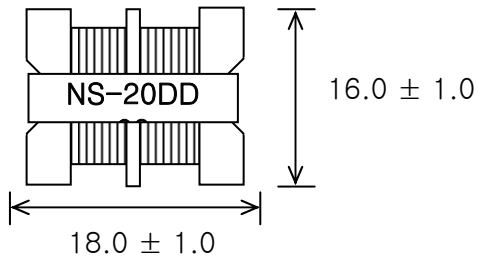
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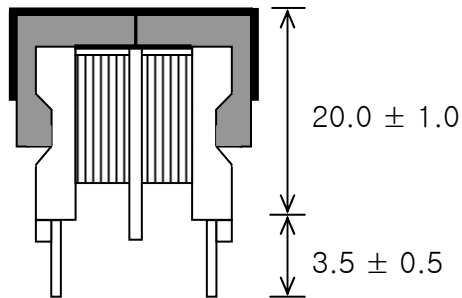
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1. DIMENSION (UNIT:mm)

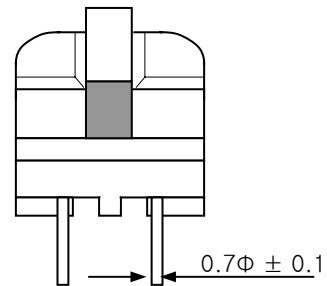
< TOP VIEW >



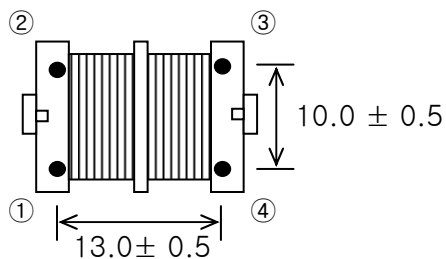
< FRONT VIEW >



< SIDE VIEW >



< BOTTOM VIEW >



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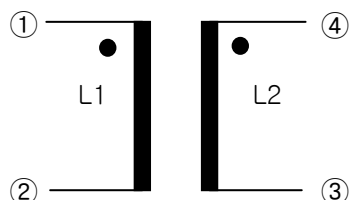
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2. SCHEMATIC DIAGRAM



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 0.25Φ (AWG #)	150T ± 20T	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)	20mH MIN	LEADER 745 LCR - METER at 1.0 KHz. 1.0V (25 °C)
		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 2.0 KV r.m.s (1 MINUTE)	CUT OFF CURRENT : 5 mA TOS - 8850
		L1 COIL - L2 COIL	AC 2.0 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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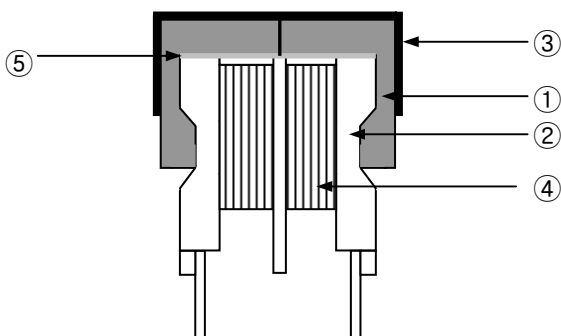
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6. SECTION DIAGRAM



7. MATERIAL LIST

NO	COMPONENT	NAME OF MATERIAL	MANUFACTURER OF MATERIAL	REMARKS
1	CORE	GP-9 (UU 1116) HM-3B (UU 1116) R10K (UU 1116)	SAMWHA ELECTRONICS CO.,LTD. ISU CO.,LTD. DMEGC MAGNETICS CO.,LTD	
2	BASE	PHENOL RESIN (PF2736) 94V-0	BAKELITE GESELLSCHAFT MBH	E61040(M)
3	SPRING HOLDER	STAINLESS STEEL SUS 31	JIN BO INDUSTRIAL CO.	
4	WIRE	POLYURETHANE UEW 0.25φ	TAIHAN ELECTRIC WIRE CO., LTD. DONGSUH ELECTRONICS CO.,LTD.	E109312(N) E210918
5	INSULATION TAPE	POLYESTER TAPE 0.025t x 4.5mm (Y)	HYUNDAI CHEMICAL CO.,LTD. DUCKSUNG TAPE CO.,LTD.	E162848(S) E105147(S)
6	VARNISH	DVA-1411	DAIHAN PAINT & INK CO.,LTD.	E93947(S)
7	SOLDER	SN98%,CU2%	ALPHA SOLDER CO.	

NAMSUN ELECTRONICS CO., LTD.

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TAIHAN ELECTRIC WIRE CO., LTD.
194-15 1-KA HOEHYUN-DONG CHUNG-KU CPO
BOX 2624, SEOUL KOREA

E 109312 (N)

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

E 210918

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, materal 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 apriile adhedive, cat. no. 800 for use at temperature not mxdddading 190 c.
 Marking company name. catalog daeignation and temperature rating ptinted on darion .wrapper
 or core.

See Genaral informtion precading three recognitiona

For use only equipment where the adceptabination la datermined by undarwril.
 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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- VARNISH -

OBOR2 October 8, 1990
 Component - Varnishes

DAIHAN PAINT & 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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