CUSTOMER :

NO : 080130-01

S P E C I F I C A T I O N

APPLICATION FOR APPROVAL OF

ITEM	: RADIAL INDUCTOR
DESCRIPTION	: DR 8 X 8mm
CODE NO	: DR4) 22uH(BULK)
MODEL NO	:

This space is used for customer's approval

DATE : 2014.10.21..

DRAWN BY	DATA
Y . H . JEON	2014.10.21.
CHECKED BY	DATA
APPROVED BY	DATA
J . G . KIM	2014.10.21..

NAMSUN ELECTRONICS CO.,LTD

CUSTOMER :

SPECIFICATION		SHEET NO.	1 OF 6
		DATA	2014.10.21.
PART NAME	RADIAL INDUCTOR	MODEL NAME	
PART NO.	DR4) 22uH	DESCRIPTION	DR 8 X 8

1. GENERAL SPECIFICATION

1) SCOPE

This specfication applies to part number **22uH** RADIAL INDUCTOR(or PEAKING COIL) for use in electronic appliances which is supplied for

2. MECHANICAL CHARACTERISTIC

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

1) Marking

PEAKING COIL shall be permanently and legibly marked with the part number on the specification 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 terminal at the point where the external load.

3. ENVIRONMENTAL & LIFE CHARACTERISTIC

1) Temperature rise

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

2) Heat-resistance

Immediately after PEAKING COIL being placed in room for 96 Hours maintained AT 105℃ ± 2℃ ambient temperature, the PEAKING COIL shall conform with the above part paragraph (4) and also insulation resistance shall be more than 100 MΩ.

3) Moisture resistance

Immediately after PEAKING COIL being placed in room for 120 Hours in such humidity chamber this is maintained at 90 - 95% relative humidity and 55℃ ± 2℃ temperature and wipped a drop of water, PEAKING COIL shall conform with the above paragraph(4) and also insulation shall be the 10 MΩ.

4) Safety consideration

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

5) Solderabilitly

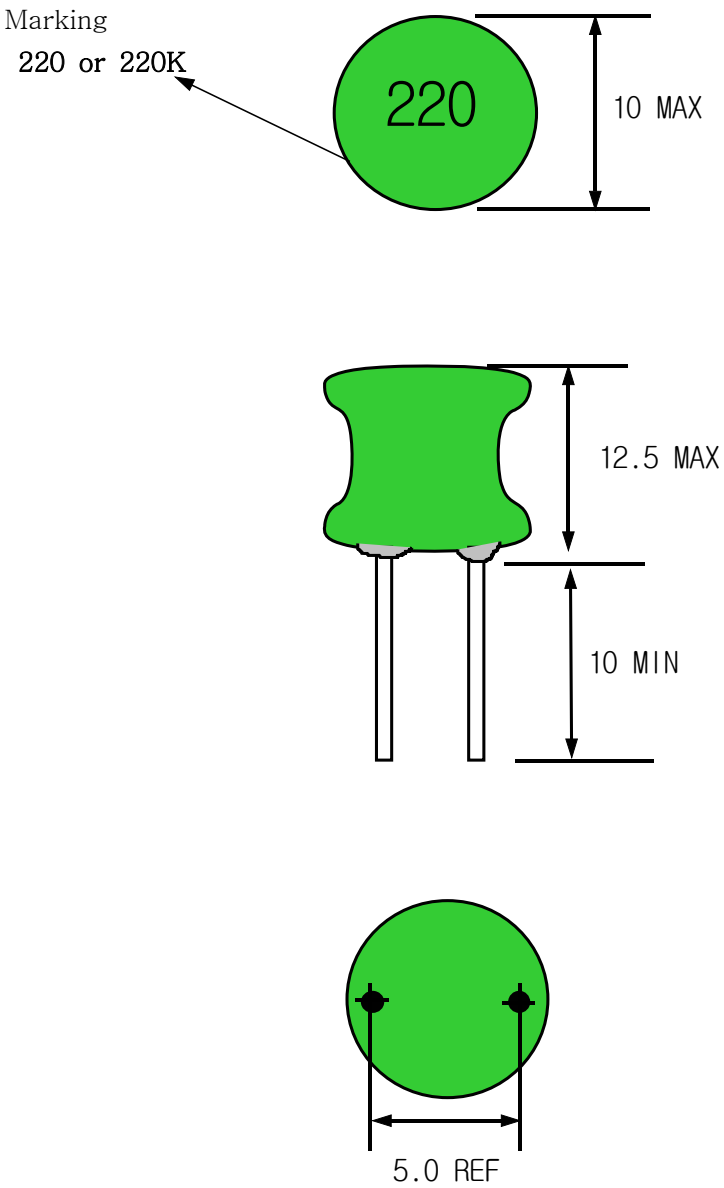
Dip pads in RMA flux, 96.5/0.5/3 solder (Sn/Cu/Ag)at 260℃ for 5±2 seconds

NO	REVISION	DATE	CHECK	DRAWN	CHECKED	APPROVED
1						
2						
3						
4						

CUSTOMER :

SPECIFICATIONS		SHEET NO.	2 OF 6
		DATE	2014.10.21
PART NAME	RADIAL INDUCTOR	MODEL NAME	
PART NO.	DR4) 22uH	TYPE NO	DR 8 X 8

1. APPEARANCE & DIMENSION (UNIT:m/m)



NAMSUN ELECTRONICS CO.,LTD	DESIGN	CHECK	APPROVAL

CUSTOMER :

SPECIFICATIONS		SHEET NO.	3 OF 6
		DATE	2014.10.21
PART NAME	RADIAL INDUCTOR	MODEL NAME	
PART NO.	DR4) 22uH	TYPE NO	DR 8 X 8

2. WINDING SPEC

START & FINISH	TYPE OF WIRE	T U R N S	WINDING METHODE
	UEW 0.50Ø	27.0 t REF	SOLENOID WINDING [C. C. W]

3. ELECTRICAL CHARACTERISTIC

NO	I T E M	MESURE	SPECIFICATION	REMARKS
1	INDUCTANCE	START & FINISH	22 [uH] ± 10 [%]	LCR-METER HP-4284A at 1KHz 1Vrms
2	LAYER SHORT	START & FINISH	AC 1 [KV] , FREQUENCY 60 [Hz]	
3	DIELECTRIC WITHSTANDING TEST	COIL & CORE	AC 1 [KV] , FREQUANCY 60 [Hz] , 1 MINUTES, CUT OFF CURENT 5 [mA]	NO BREAKDOWN
4	INSULATION RESISTANCE	COIL & CORE	DC 500 [V] , 100 [MΩ] MIN	
5	DC Current	START & FINISH	2,000[mA] MAX Self temperature rise shall be limited to 35℃ Max. Inductance drop 10% typ.	

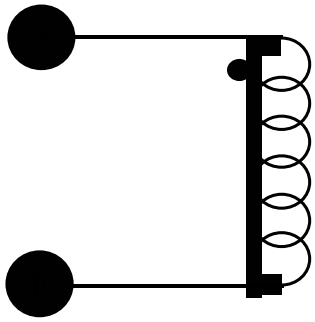
NAMSUN ELECTRONICS CO.,LTD

DESIGN	CHECK	APPROVAL

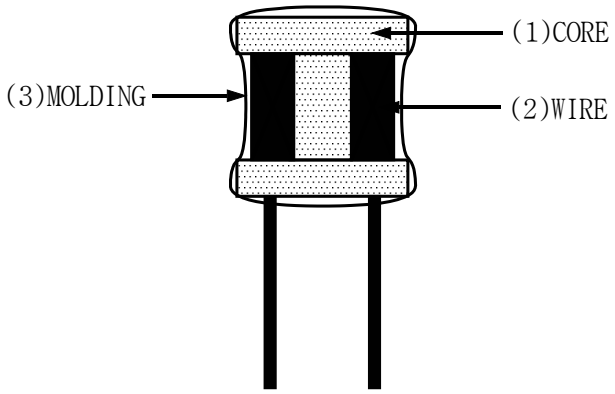
CUSTOMER :

SPECIFICATIONS		SHEET NO.	4 OF 6
		DATE	2014.10.21
PART NAME	RADIAL INDUCTOR	MODEL NAME	
PART NO.	DR4) 22uH	TYPE NO	DR 8 X 8

4. SCHEMATIC DIAGRAM



5. INTERNAL CONSTRUCTION



6. MATERIAL LIST

NO	I T E M	MATERIAL & DIMENSION	MANUFACTURE	SAFETY
1	C O R E	L-81, YL-81 (C:3.0) DR 8 X 8mm	SAMWHA ELECTRONICS CO,. LTD. CORE TECH CO.,LTD.	
2	W I R E	UEW 0.50Ø	DONG YANG ELECTRONICS CO., LTD. YOUNG WHA SA CO., LTD. DAE SAN ELECTRONICS CO.,LTD DONG SUH ELECTRONICS CO.,LTD	E102761S E141925S E174361 E210918
3	EPOXY RESIN	MOODING TYPE	DAWOO CHEMICAL CO., LTD.	

NAMSUN ELECTRONICS CO.,LTD

DESIGN	CHECK	APPROVAL

CUSTOMER :

SPECIFICATIONS		SHEET NO.	5 OF 6
		DATE	2014.10.21
PART NAME	RADIAL INDUCTOR	MODEL NAME	
PART NO.	DR4) 22uH	TYPE NO	DR 8 X 8

OBMW2 Jenu25.2002
(Systems,Electrical Insulation) Magnet Wire _ component
DONG SUH ELECTRONICS CO LTD E210918
55-1 BUNUS 3_RI KWANGTAN_MYUN PAJU,KYONGGI_DO
413_850 KOREA

Mti	Mark	Coat type		ANSI	Temp
Dsg	Dsg	BC	OC	Type	Class
DSUEW_100	(1)	Polyurethane		MW75C	130

(1)-Marked designations are the same as the material designations.
Marking:Company name,material designation or marked designation on package or reel,and Recognized Component Mark.

See General Information Preceding These Recognitions

DONG YANG ELECTRONICS IND CO LTD **E102761 (S)**
660-1 BANWOL-RI TAIAN-EUB HWASUNG-GUN,
KYUNGGI-DO KOREA

Mtl Dsg	BC	Coat Typ OC	ANSI Type	TI
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-UEW	Polyurethane	Polyamide	MW28	130
UEW	Polyurethane	-	MW75	130

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

NAMSUN ELECTRONICS CO.,LTD

DESIGN	CHECK	APPROVAL

CUSTOMER :

SPECIFICATIONS		SHEET NO.	6 OF 6
		DATE	2014.10.21.
PART NAME	RADIAL INDUCTOR	MODEL NAME	
PART NO.	DR4) 22uH	TYPE NO	DR 8 X 8

YOUNG WHA SA CO LTD **E141925 (S)**
256-1 DODANG-DONG JOONG-GU BUCHON, KYONGGI-DO 421-130 KOREA

Mtl Dsg	BC	Coat Typ Overcoat	ANSI Typ(+)	TI
AEW-R	Modified Polyester	Polyamideimide	MW73-C	200
AI-EIW	Modified Polyester	Polyamideimide	MW35-C	200
UEW-F	Polyurethane	-	MW79-C	155
NPW	Polyester-nylon	Nylon	MW24-C	155
NUW	Polyurethane-nylon	Nylon	MW28-C	130
UEW-B	Polyurethane	-	MW75-C	130

Marking: Company name and material designation.

DAESAN ELECTRONICS CO LTD E174361

5-DA-201-2 SHIHWA INDUSTRIAL COMPLEX
664-1 SUNGGOG-DONG
ANSAN-SHI
KYONGGI-DO, KOREA

Mtl	Coat Type		ANSI	Temp
Dsg	BC	OC	Type	Class
CB-AI/EI	Polyester	Polyamideimid	MW35	200
CB-PEW	Polyester	—	MW5	155
CB-UEW	Polyurethane	—	MW79	155
			MW75	130#

#-Additional consideration is needed before used in system thermal aging.
Marking: Recognized company's name and magnet wire designation on pack reel, and/or container.

NAMSUN ELECTRONICS CO.,LTD

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