승 인	
정식승인	( )
한도승인	( )

SPECIFICATIONS

CUSTOMER	
ITEM	Radial Inductor
MODEL NAME	DR2-331K-B & T
PART No	DR2)330uH(331K)
DATE	2020-02-13

검 토	심 사	승 인
승인유효기간	승인일로부터 년	

신청회사명	NAMSUN ELECTRONICS CO.,LTD.	TEL	02-2689-9418
		FAX	02-2689-8628
주 소	Na-350b,CHUNG ANG CIRCULATION COMPLEX 15 GYUNGINRO 53-GIL GURO-GU SEOUL 08217 ,KOREA		

CUSTOMER :

SPECIFICATION

		SHEET NO.	1 OF 9
		DATE	2020-02-13
PART NAME	Radial Inductor	MODEL NAME	DR2-331K-B & T
PART NO.	DR2)330uH(331K)	DESCRIPTION	DR 6.5X7.5mm

1. GENERAL SPECIFICATION

1) SCOPE

This specfication applies to part number **330uH** PEAKING COIL for use in electronic appliances which is supplied for ㈜비엔테크

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 & LIFECHARACTERISTIC

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

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CUSTOMER :

SPECIFICATION		SHEET NO.	2 OF 9
		DATE	2020-02-13
PART NAME	Radial Inductor	MODEL NAME	DR2-331K-B & T
PART NO.	DR2)330uH(331K)	DESCRIPTION	DR 6.5X7.5mm

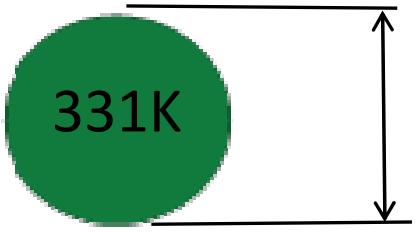
4. APPEARANCE & DIMENSION (UNIT:m/m)

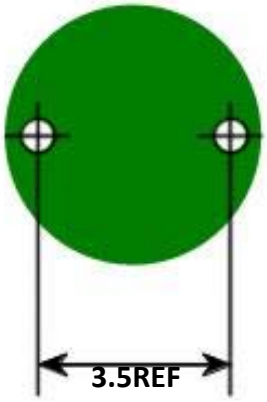
<Bulk type>

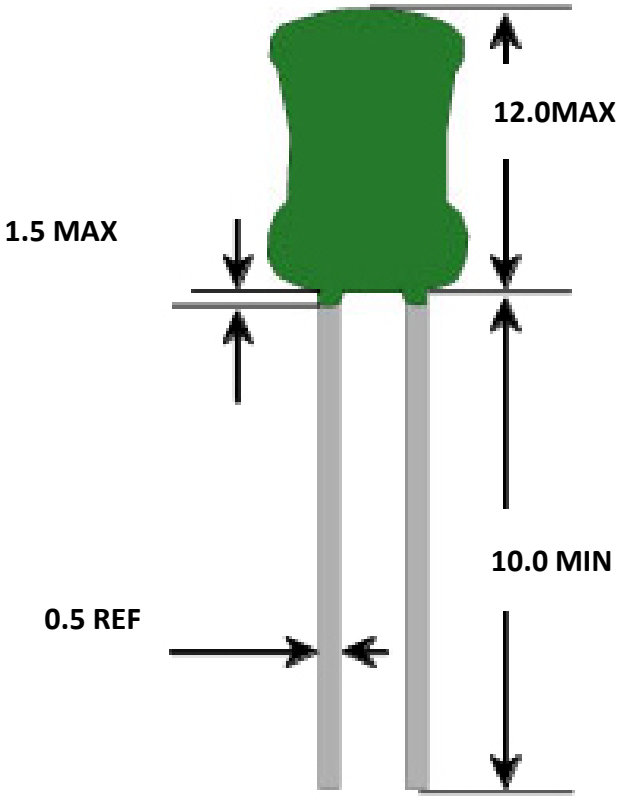
EPOXY COLOR
GREEN

MARKING : 331 or 331K

<TOP VIEW>







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NAMSUN ELECTRONICS CO.,LTD.

CUSTOMER :

SPECIFICATION

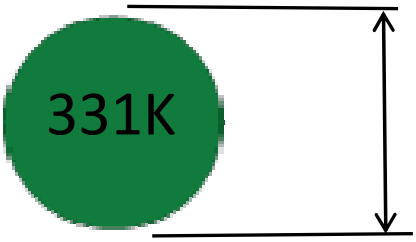
		SHEET NO.	3 OF 9
		DATE	2020-02-13
PART NAME	Radial Inductor	MODEL NAME	DR2-331K-B & T
PART NO.	DR2)330uH(331K)	DESCRIPTION	DR 6.5X7.5mm

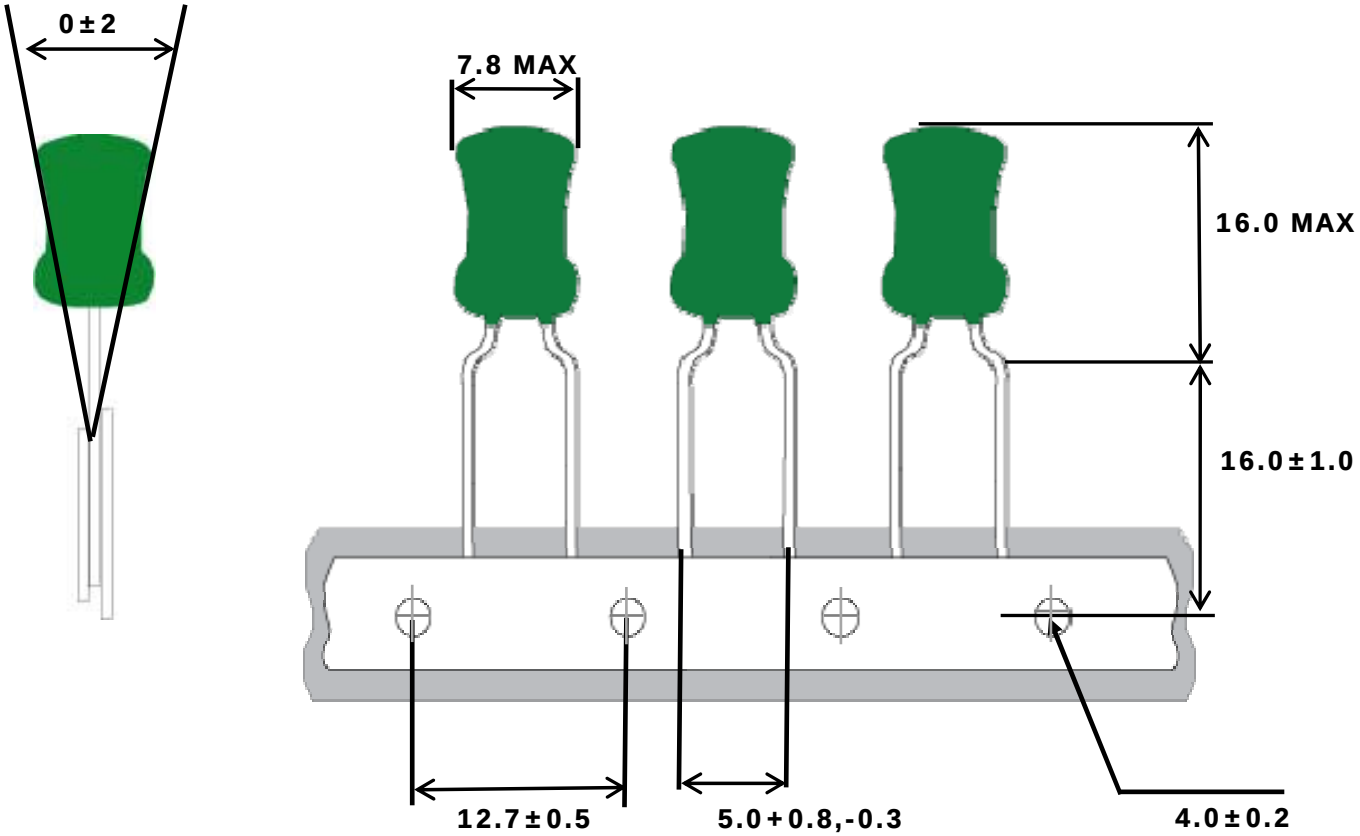
4. APPEARANCE & DIMENSION (UNIT:m/m)

<Taping type>
EPOXY COLOR
GREEN

MARKING : 331 or 331K

<TOP VIEW>





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NAMSUN ELECTRONICS CO.,LTD.

CUSTOMER :

SPECIFICATION

SHEET NO.	4 OF 9
DATE	2020-02-13

PART NAME	Radial Inductor	MODEL NAME	DR2-331K-B & T
PART NO.	DR2)330uH(331K)	DESCRIPTION	DR 6.5X7.5mm

5. WINDING SPEC

	TYPE OF WIRE	TURNS	WINDING METHODE
START & FINISH	2UEW 0.2Φ	105.5 Ts REF	SOLENOID WINDING [C . C . W]

6. ELECTRICAL CHARACTERISTIC

NO	ITEM	MESURE	SPECIFICATION	REMARKS
1	INDUCTANCE	START & FINISH	330[uH] ± 10%	HIOKI3522 LCR METER at 1㎑ 1V
2	DC RESISTANCE	START & FINISH	1.5[Ω] MAX	WHEATSTONE BRIDGE TYPE 2755
3	DIELECTRIC WITHSTANDING TEST	COIL & CORE	AC 1 [KV] , FREQUANCY 60 [Hz] , 1 MINUTES, CUT OFF CURENT 2 [mA]	KIKUSUI TOS5302
4	INSULATION RESISTANCE	COIL & CORE	DC 500 [V] , 100 [MΩ] MIN	KIKUSUI TOS5302

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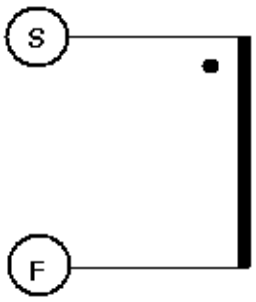
NAMSUN ELECTRONICS CO.,LTD.

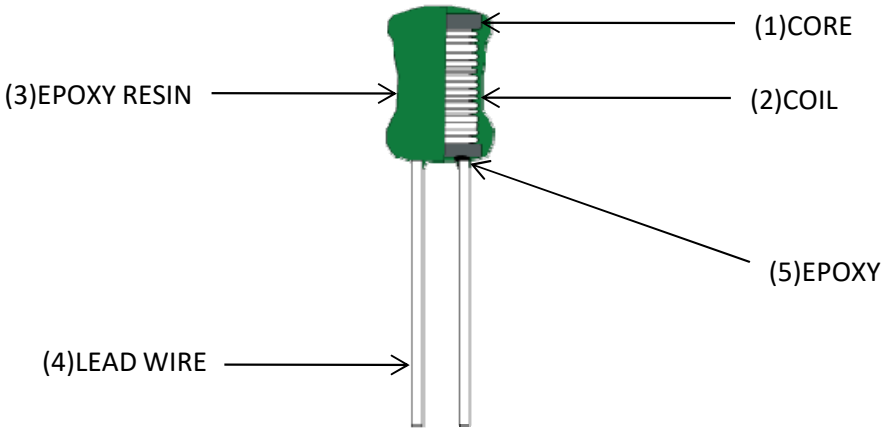
CUSTOMER :

SPECIFICATION

		SHEET NO.	5 OF 9
		DATE	2020-02-13
PART NAME	Radial Inductor	MODEL NAME	DR2-331K-B & T
PART NO.	DR2)330uH(331K)	DESCRIPTION	DR 6.5X7.5mm

7. SCHEMATIC DIAGRAM





8. MATERIAL LIST

NO	ITEM	MATERIAL & DIMENSION	MANUFACTURE	REMARK
1	CORE	JA3 DR 6.5X7.5mm	JIACI(ZHUHAI)ELECTRONICS CO.,LTD.	EQV
2	WIRE	2UEW 0.2Φ	CNI CABLE CO., LTD. CHUNYI ELECTRICAL APPLLANCES CO.,LTD.	E210918 E198440 EQV
3	EPOXY RESIN	EPI-CHEM 930	SAMSIN CHEMICAL CO.,LTD.	E232031 EQV
4	LEAD WIRE	TPC 0.6Φ	KISTRON CO.,LTD	EQV
5	EPOXY	EPI CHEM-2001HS FK661	SAMSIN CHEMICAL CO.,LTD. QIFU ELECTRONIC MATERIALS FACTORY	EQV
-	SOLDER BAR	SC00	HANHUA TIN CO.,LTD.	EQV
-	FLUX	T181 RE-120L	ZHUHAI FRIEND INDUSTRIAL CO.,LTD.	EQV
-	INK	299BK IR-270BK	DOMINO KOREA CO.,LTD. RUIRUN LIMITED COMPANY	EQV

9. TABLE OF STANDARD CHARACTERISTICS OF MATERIALS

PROPETY UNIT	μiac	Bms	Br	WORKING	Tc
MATERIAL	±25%	GAUSS	GAUSS	Frequency(MHZ)	℃
JA3	300	2400	1300	0.1~2.0	150

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NAMSUN ELECTRONICS CO.,LTD.

CUSTOMER :

SPECIFICATION

		SHEET NO.	6 OF 9
		DATE	2020-02-13
PART NAME	Radial Inductor	MODEL NAME	DR2-331K-B & T
PART NO.	DR2)330uH(331K)	DESCRIPTION	DR 6.5X7.5mm

10. REMARK-2 / DONG YANG [UL CARD]

ONLINE CERTIFICATIONS DIRECTORY

OBMW2.E210918
Magnet Wire - Component

Page Bottom

Magnet Wire - Component

See General Information for Magnet Wire - Component

CNICABLE CO LTD E210918
312-16 DEUKSAN-DONG
ASAN-SI, CHUNGCHEONGNAM-DO 336-120 REPUBLIC OF KOREA

Mtl Dsg	Mark Dsg	Coat Type BC	Coat Type OC	ANSI Type	Temp Class
DSUEW-100	(1)	Polyurethane	—	MW75C	130#
UEW	(1)	Polyurethane	None	MW79	155
				MW75	130#
PEW	(1)	Polyester	None	MW30	180
				MW5	155#
AAI-EIW	(1)	Polyesterimide	Polyamide-imide	—	200
AI-EIW(R)	(1)	Polyesterimide	Polyamide-imide	@	220
AI-EIW(SL)	(1)	Polyesterimide	Polyamide-imide	@	220
			(self-lubricating)		
AIW	(1)	Polyesterimide	Polyamide-imide	—	200
AL-UEW	(1)	Polyurethane	—	—	155
EIW	(1)	Polyesterimide	—	—	200
HSRW	(1)	Polyesterimide	Polyamide-imide	MW73C,MW35C	200
MW35	(1)	Polyesterimide	Polyamide-imide	MW73C,MW35C	200
MW35A	(1)	Polyesterimide	Polyamide-imide	MW35A	220
NPW	(1)	Polyester	Polyamide	MW76	180
				MW24	155
PEW	(1)	Polyester	—	MW5	155
UEW	(1)	Polyurethane	—	MW79	155
NUW	(1)	Polyurethane	Polyamide	MW83,	180
				MW80	155

Mtl Dsg	Coat Type BC	Coat Type OC	Coat Type Bond	ANSI Type	Temp Class
SB-EIW	Polyester-imide	—	Polyamide	@	200
AI-EIW(I)	Esterimide	Filled	Amide-imide	@	200
			amide-imide		

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NAMSUN ELECTRONICS CO.,LTD.

CUSTOMER :

SPECIFICATION		SHEET NO.	7 OF 9
		DATE	2020-02-13
PART NAME	Radial Inductor	MODEL NAME	DR2-331K-B & T
PART NO.	DR2)330uH(331K)	DESCRIPTION	DR 6.5X7.5mm

10. REMARK-2 / CHUNYI [UL CARD]

Magnet Wire - Component

See General Information for Magnet Wire - Component

GUANGZHOU CHUNYI ELECTRIC ENTERPRISE LTD E198440
RM 348 FULI YINGFENG MANSION
NO 2 HUAQIANG RD ZHUJIANG XINCHENG
TIANHE DISTRICT
GUANGZHOU, GUANGDONG 528222 CHINA

Material Designation	Mark Dsg	Base Coat	Top Coat	ANSI Type	Temp Class
xPEW/180, QZY-x/180	xPEW/180, QZY-x/180	Polyester-imide	-	MW 30-C	180[#]
xUEW/155, QA-x/155	xUEW/155, QA-x/155	Polyurethane	-	MW 79-C	155[#]

[#] - 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.

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

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

Last Updated on 2018-01-30

10. REMARK-3 / SAMSIN [UL CARD]

Plastics - Component

See General Information for Plastics - Component

SAMSIN CHEMICAL CO LTD E232031
182 ANNYUNG-RI
TAEAN-EUP
HWASUNG-SHI, KYONGGI-DO 445-970 REPUBLIC OF KOREA

									H	D	
		Min.		H	H	RTI			V	4	C
		Thk	Flame	W	A	Elec	Mech		T	9	T
Material Dsg	Color	mm	Class	I	I		Imp	Str	R	5	I
Epoxy Casting Compound (EP - Casting), furnished as two liquid components.											
930A/930B	ALL	3.2	V-0	-	-	90	90	90	-	-	-
Silicone Rubber, heat-cured paste., furnished as two liquid components.											
1021SA/1021SB	ALL	3.2	V-0	-	-	105	105	105	-	-	-

Marking: Company name or tradename "EPICHEM" and material designation on container, wrapper or finished part.

Last Updated on 2015-09-24

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NAMSUN ELECTRONICS CO.,LTD.

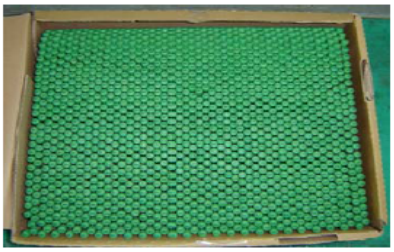
CUSTOMER :

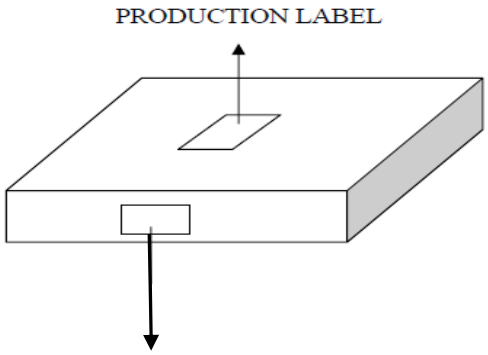
SPECIFICATION		SHEET NO.	8 OF 9
		DATE	2020-02-13
PART NAME	Radial Inductor	MODEL NAME	DR2-331K-B & T
PART NO.	DR2)330uH(331K)	DESCRIPTION	DR 6.5X7.5mm

11. PACKING SPECIFICATION

ITEM	INNER BOX(PCS)	OUT BOX(PCS)
DR2-331K-T	1,500	7,500

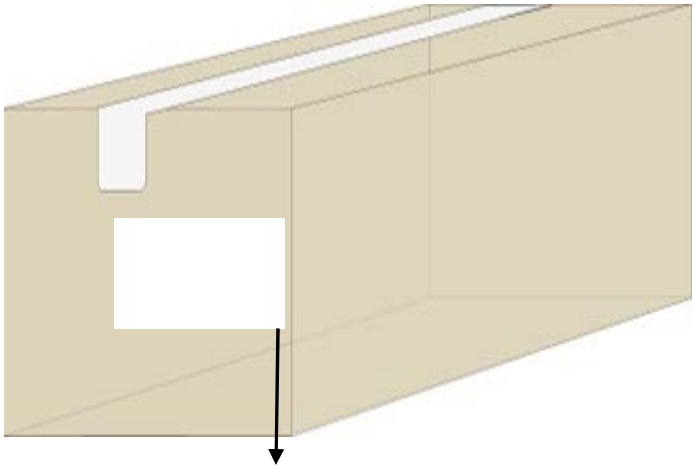
INNER BOX : 340L*255W*50H(PUT 1500EA IN ONE INNER BOX)





ITEM NO : DR2)1.5mH
CODE NO : DR2-152KT
Q, TY : 1,500PCS
LOT NO : NS-F7091
NAMSUN ELECTRONICS CO.,LTD.

OUT BOX : 360L*265W*285H(PUT IN FIVE INNER BOX)



LABEL

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CUSTOMER :

SPECIFICATION

		SHEET NO.	9 OF 9
		DATE	2020-02-13
PART NAME	Radial Inductor	MODEL NAME	DR2-331K-B & T
PART NO.	DR2)330uH(331K)	DESCRIPTION	DR 6.5X7.5mm

12. INSPECTION DATA

NO	INDUCTANCE	DC RESISTANCE	내전압	절연저항
SPEC	330[uH] ± 10%	1.5[Ω] MAX	AC 1KV 1분 MIN	DC 500V 100㏁MIN
1	329.1	0.84	OK	OK
2	331.7	0.83	OK	OK
3	322.5	0.84	OK	OK
4	330.3	0.84	OK	OK
5	330.4	0.84	OK	OK
6	335.2	0.83	OK	OK
7	329.5	0.85	OK	OK
8	328.9	0.83	OK	OK
9	330.5	0.84	OK	OK
10	330.1	0.84	OK	OK
X	329.82	0.838		
MIN	322.5	0.83		
MAX	335.2	0.85		

REMARK

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