

SPECIFICATION

APPLICATION FOR APPROVAL OF

ITEM : RADIAL INDUCTOR

DESCRIPTION : DR 8 x 11mm

CODE NO : DR4A) 10uH (BULK/TPPING)

MODEL NO :

This space is used for customer's approval

DATE : 2015.08.22.

DRAWN BY E . Y . LEE	DATA 2015.08.22.
CHECKED BY	DATA
APPROVED BY J . G . KIM	DATA 2015.08.22.

CUSTOMER : _____

SPECIFICATION		SHEET NO.	1 OF 9
		DATA	2015.08.22.
PART NAME	RADIAL INDUCTOR	MODEL NAME	
PART NO.	DR4A)10uH(100K)	DESCRIPTION	DR 8 X 11mm

1. GENERAL SPECIFICATION

1) SCOPE

This specification applies to part number 10uH **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 1 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°C , 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±4 Hours maintained AT 105°C ± 2°C 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±4 Hours in such humidity chamber this is maintained at 90 - 95% relative humidity and 55°C ± 2°C 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) Solderability

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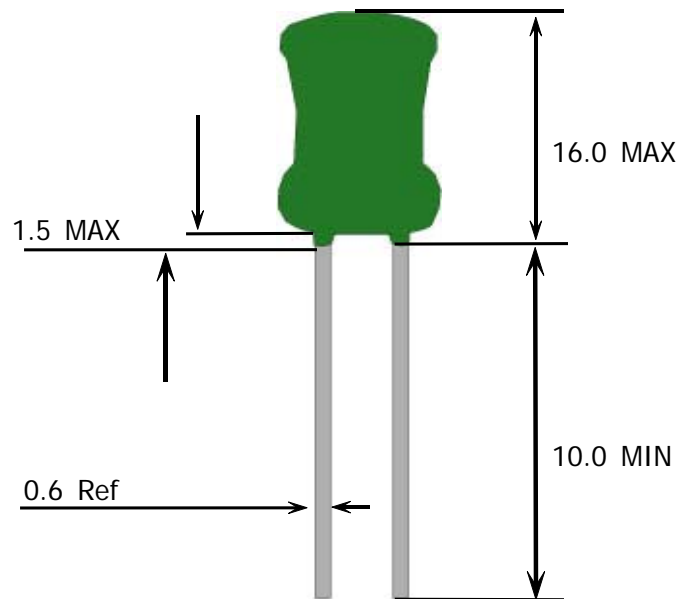
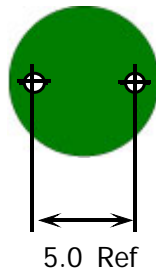
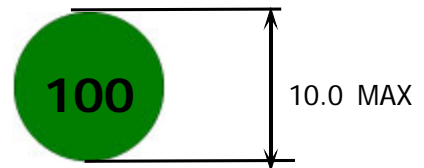
CUSTOMER : _____

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PART NAME	RADIAL INDUCTOR	MODEL NAME	
PART NO.	DR4A)10uH(100K)	DESCRIPTION	DR 8 X 11mm

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

<Bulk type>

EPOXY COLOR
GREEN



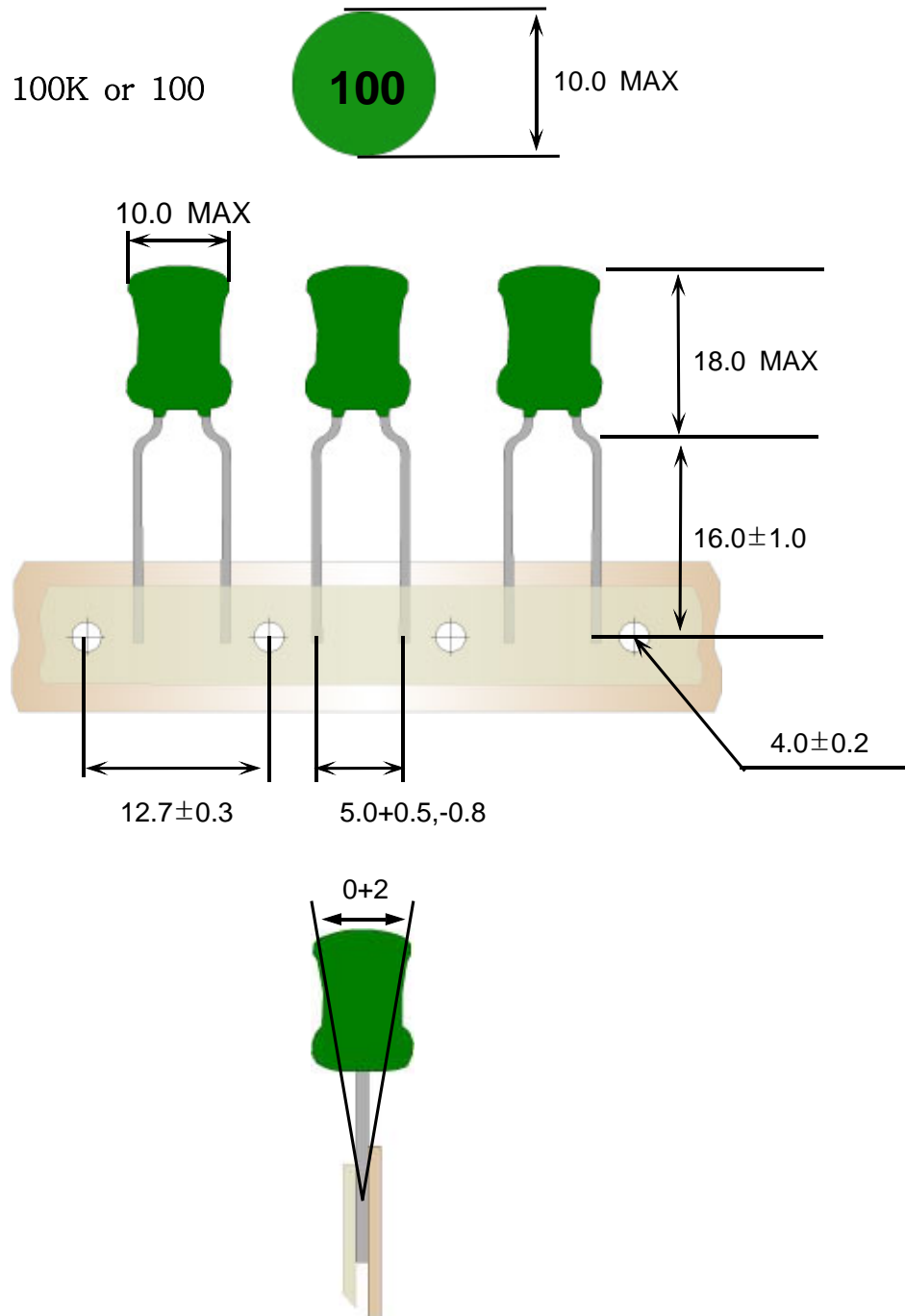
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SPECIFICATION		SHEET NO.	3 OF 9
		DATA	2015.08.22.
PART NAME	RADIAL INDUCTOR	MODEL NAME	
PART NO.	DR4A-100uH	DESCRIPTION	DR 8.0 X 11.0mm

4-1. APPEARANCE & DIMENSION (UNIT:m/m)

MARKING : 100K or 100



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PART NAME	RADIAL INDUCTOR	MODEL NAME	
PART NO.	DR4A)10uH(100K)	DESCRIPTION	DR 8 X 11mm

5. WINDING SPEC

START & FINISH	TYPE OF WIRE	T U R N S	WINDING METHODE
	2UEW 0.6Φ	17.5 Ts REF	SOLENOID WINDING [C . C . W]

6. ELECTRICAL CHARACTERISTIC

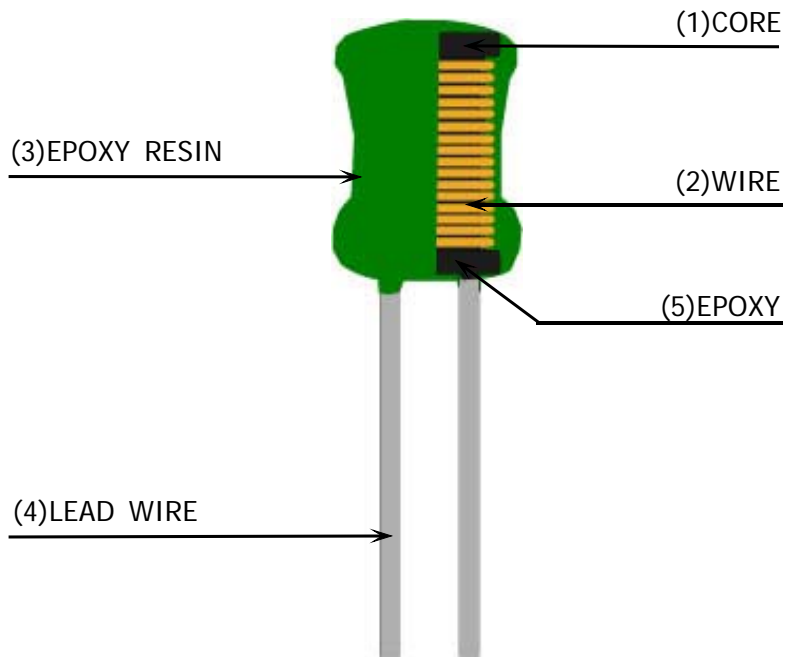
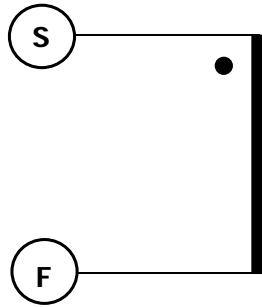
NO	I T E M	MESURE	SPECIFICATION	REMARKS
1	INDUCTANCE	START & FINISH	10_[uH] ± 20%	LCR-METER HP-4284A at 1KHz 1Vrms
2	DC RESISTANCE	START & FINISH	0.1_[Ω] MAX	WHEATSTONE BRIDGE TYPE 2755 TYPE 3220
3	DIELECTRIC WITHSTANDING TEST	COIL & CORE	AC 1_[KV] , FREQUANCY 60_[Hz] , 1 MINUTES, CUT OFF CURENT 5_[mA]	NO BREAKDOWN HPT-5010
4	INSULATION RESISTANCE	COIL & CORE	DC 500_[V] , 100_[MΩ] MIN	

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7. SCHEMATIC DIAGRAM



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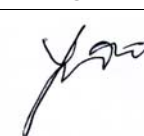
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PART NAME	RADIAL INDUCTOR	MODEL NAME	
PART NO.	DR4A)10uH(100K)	DESCRIPTION	DR 8 X 11mm

8. MATERIAL LIST

NO	ITEM	MATERIAL & DIMENSION	MANUFACTURE	REMARK
1	CORE	H6 , K5A DGB / JA3 DR 8 X 11mm	ZHAOYUAN FLYING ELECTRONIC CO.,LTD. CORE-TECH CORP	
2	WIRE	2UEW 0.6Φ	DONG YANG ELECTRONICS CO., LTD. DAE SAN ELECTRONICS CO.,LTD. CNI CABLE CO.,LTD. DONG SUH ELECTRONICS CO.,LTD.	E102761S E174361 E141925S E210918
3	EPOXY RESIN	DP-402NH-P 930A.B	DAE JOO FINE CHEMICAL CO., LTD. SAM SIN CHEMICAL CO.,LTD.	
4	LEAD WIRE	TPCS 0.6Φ COPPER-WIRE	IL-KWANG ELECTRONIC MATERIALS CO.,LTD. FJD KAE LEAD WIRE CO.,LTD	
5	EPOXY	6020H	GUANGZHOU WELLS CHEMICAL CO.,LTD.	
-	SOLDER BAR	HSE-09 SN 100	HEESUNG MATERIAL LTD. JIAMENG CO.,LTD.	
-	FLUX	F181 PF-120L	ZHUHAI FRIEND INDUSTRIAL CO.,LTD. SOLUX CO.,LTD.	
-	INK	270BK	DOMINO KOREA CO.,LTD.	

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

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PART NAME	RADIAL INDUCTOR	MODEL NAME	
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10. REMARK-1 / DONG YANG [UL CARD]

Magnet Wire - Component

See General Information for Magnet Wire - Component

DONG YANG ELECTRONICS IND CO LTD



E102761

5-20 BANGYE-RI

MUNMAK-EUB

WONJU-SHI, KANGWON-DO 220-800 REPUBLIC OF KOREA

Mtl Dsg	Coat Typ		ANSI Type	TI
	BC	OC		
AI-EIW	Polyester-	Polyamide-	MW35	200
	imide	imide		
DSB-EIA	Ester-imide	Polyamide	MW76	180
DSB-EIA(S)	Solderable	Polyamide	MW78	180
	ester-imide			
EIW	Polyester-		MW30	180
	imide			
NY-EIW	Polyester-	Polyamide	MW76	180
	amide-imide			
NY-PEW	Polyester	Polyamide	MW24	155
NY-PEW(F)	Polyester	Polyamide	MW24	155
NY-UEW	Polyurethane	Polyamide	MW80,	155,
			MW28#	130
UEW(F)	Polyurethane	—	MW79,	155,

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SPECIFICATION		SHEET NO.	8 OF 9
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10. REMARK-2 / CHUN HUI [UL CARD]



Magnet Wire - Component

See General Information for Magnet Wire - Component

GUANGZHOU CHUNHUI ELECTRICAL APPLIANCES CO LTD E198440
 BLK 7, 8TH FL, ROOM H
 JIANADA GARDEN
 ZHONGSHAN DA DAO
 GUANGZHOU, GUANGDONG 510665 CHINA

Mtl Dsg	Mark Dsg	Coat Type		ANSI Type	Temp Class
		BC	OC		
XUEW-UL@	(1)	Polyurethane	?/TD>	MW75	130

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



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11. INSPECTION DATA

NO	INDUCTANCE	DC RESISTANCE	내전압	절연저항
SPEC	10uH±15%	0.1Ω MAX	AC 1KV 1분 MIN	DC 500V 100MΩMIN
1	9.8	0.019	OK	OK
2	9.75	0.019	OK	OK
3	9.71	0.02	OK	OK
4	9.77	0.019	OK	OK
5	9.57	0.02	OK	OK
6	9.76	0.019	OK	OK
7	9.62	0.02	OK	OK
8	9.73	0.02	OK	OK
9	9.81	0.02	OK	OK
10	9.8	0.019	OK	OK
\bar{X}	9.732	0.0195		
MIN	9.62	0.019		
MAX	9.81	0.02		

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