

# SPECIFICATION FOR APPROVAL

REF :

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PROD. NAME	RADIAL INDUCTOR	ABC'S DWG NO.	RB0812□□□□L□-□□□
		ABC'S ITEM NO.	

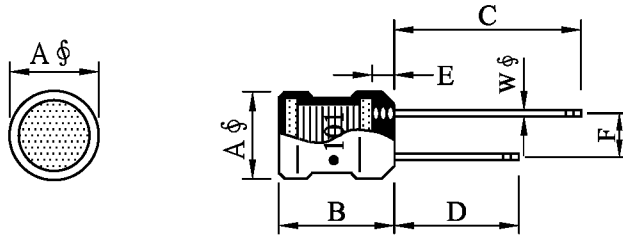
## I . CONFIGURATION & DIMENSIONS :

Marking :

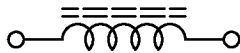
" ● " : Start

● 101----100 uH (Inductance code)

A	: 6.7±0.5	m/m
B	: 10.0±1.0	m/m
C	: 25.0±5	m/m
D	: 18.0±5	m/m
E	: 2.5 max.	m/m
F	: 3.0±0.5	m/m
W	: 0.65	m/m

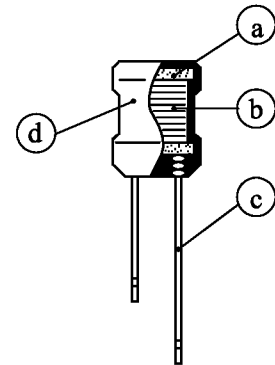


## II . SCHEMATIC DIAGRAM :



## III . MATERIALS :

- a . Core : Ferrite DR core
- b . Wire : Eenamelled copper wire (Class F)
- c . Lead : Sn/Ag/Cu
- d . Tube : Sheinkable tube 125°C , 600V
- e . Remark : Products comply with RoHS' requirements



## IV . GENERAL SPECIFICATION :

- a . Temp. rise : 20°C max. at rated current.
- b . Storage temp. : -25°C ---- +85°C
- c . Operating temp. : -20°C ---- +80°C

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## V . ELECTRICAL CHARACTERISTICS :

DWG No.	Inductance ( $\mu$ H)	Q min.	Test Freq. ( MHz )		SRF ( MHz ) min.	RDC ( $\Omega$ ) max.	IDC ( mA ) max.
			L	Q			
RB0812470KL□-□□□	47 $\pm$ 10%	30	2.52		6.00	0.40	450
RB0812560KL□-□□□	56 $\pm$ 10%	30	2.52		5.50	0.45	400
RB0812680KL□-□□□	68 $\pm$ 10%	30	2.52		5.00	0.50	360
RB0812820KL□-□□□	82 $\pm$ 10%	30	2.52		4.50	0.50	340
RB0812101KL□-□□□	100 $\pm$ 10%	45	0.796		4.20	0.60	320
RB0812121KL□-□□□	120 $\pm$ 10%	45	0.796		3.60	0.70	300
RB0812151KL□-□□□	150 $\pm$ 10%	45	0.796		3.40	0.90	280
RB0812181KL□-□□□	180 $\pm$ 10%	45	0.796		3.20	1.00	260
RB0812221KL□-□□□	220 $\pm$ 10%	45	0.796		3.00	1.20	240
RB0812271KL□-□□□	270 $\pm$ 10%	45	0.796		2.80	1.40	220
RB0812331KL□-□□□	330 $\pm$ 10%	45	0.796		2.50	1.60	200
RB0812391KL□-□□□	390 $\pm$ 10%	45	0.796		2.30	1.80	180
RB0812471KL□-□□□	470 $\pm$ 10%	45	0.796		2.20	2.00	160
RB0812561KL□-□□□	560 $\pm$ 10%	45	0.796		2.00	2.50	150
RB0812681KL□-□□□	680 $\pm$ 10%	45	0.796		1.70	2.90	140
RB0812821KL□-□□□	820 $\pm$ 10%	45	0.796		1.50	3.10	130
RB0812102KL□-□□□	1000 $\pm$ 10%	45	0.252		1.40	3.90	120
RB0812122KL□-□□□	1200 $\pm$ 10%	60	0.252		1.10	4.40	110
RB0812152KL□-□□□	1500 $\pm$ 10%	60	0.252		0.90	6.00	100
RB0812182KL□-□□□	1800 $\pm$ 10%	60	0.252		0.80	7.00	90
RB0812222KL□-□□□	2200 $\pm$ 10%	60	0.252		0.75	8.00	80
RB0812272KL□-□□□	2700 $\pm$ 10%	60	0.252		0.70	9.00	70
RB0812332KL□-□□□	3300 $\pm$ 10%	60	0.252		0.60	12.00	60
RB0812392KL□-□□□	3900 $\pm$ 10%	60	0.252		0.55	14.00	55
RB0812472KL□-□□□	4700 $\pm$ 10%	60	0.252		0.50	16.00	50
RB0812562KL□-□□□	5600 $\pm$ 10%	60	0.252		0.48	18.00	45
RB0812682KL□-□□□	6800 $\pm$ 10%	60	0.252		0.44	24.00	40
RB0812822KL□-□□□	8200 $\pm$ 10%	60	0.252		0.40	30.00	36
RB0812103KL□-□□□	10000 $\pm$ 10%	60	0.0796		0.36	39.00	34
RB0812123KL□-□□□	12000 $\pm$ 10%	60	0.0796		0.32	46.00	32
RB0812153KL□-□□□	15000 $\pm$ 10%	60	0.0796		0.30	54.00	30
RB0812183KL□-□□□	18000 $\pm$ 10%	60	0.0796		0.28	76.00	27
RB0812223KL□-□□□	22000 $\pm$ 10%	60	0.0796		0.24	92.00	25
RB0812273KL□-□□□	27000 $\pm$ 10%	60	0.0796		0.20	102.00	22
RB0812333KL□-□□□	33000 $\pm$ 10%	60	0.0796		0.16	140.00	20
RB0812393KL□-□□□	39000 $\pm$ 10%	60	0.0796		0.13	150.00	18
RB0812473KL□-□□□	47000 $\pm$ 10%	60	0.0796		0.10	162.00	16

1). □ : Packafing information... [A]: Bulk

2). "-□□□":Reference code



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**VII . UL CARD :**

OBMW2 September 8, 2000  
Magnet Wire-Component  
**JUNG SHING WIRE CO LTD** E174837  
231 CHUNG CHENG RD, SEC 3 JEN-TEH HSIANG, TAINAN  
HSIEN TAIWAN

Mtl Dsg	Mark Dsg	BC	Coat Typ	OC	ANSI Type	Temp Class
AIW	---	Polyamideimide	---	---	MW81-C	220
CFUEWB	---	Polyurethane	---	---	MW75C	130
EIAIW	---	Polyesterimide	Polyamideimide	---	MW35C	200
EILOCKY	---	Polyesterimide	Polyamide	---	---	180
EILOCKW	---	Polyesterimide	Modified Epoxy	---	---	200
EIW	---	Polyesterimide	---	---	---	220
EIW-2	---	Polyesterimide	---	---	MW74-C	200
FL.EILOCKY	---	Modified Polyester	Polyamide	---	---	155
LSFFW	---	Polyurethane	---	---	MW79-C	155
LSUEW	---	Polyurethane	---	---	---	130
PEW	---	Polyester	---	---	---	155
PEY	---	Polyester	Nylon	---	MW24-C	155
SF.FLW	---	Modified Polyester	---	---	MW26C	155
SF.EIW	---	Polyesterimide	---	---	MW77C	180
SF.BY@	---	Modified Polyester	Nylon	---	MW27-C	155
SF.FLY@	---	Modified Polyester	Nylon	---	MW27-C	155
SF.BLOCKBS	---	Modified Polyester	Modified Polyamide	---	---	155
SF.EILOCKY#	---	Polyesterimide	Polyamide	---	---	180
SF.EILOCKBS	---	Polyesterimide	Modified Polyamide	---	---	180
SF.BW@	---	Modified Polyester	---	---	MW26C	155
SFFW	---	Polyurethane	---	---	MW79	155

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Mtl Dsg	Mark Dsg	BC	Coat Typ	OC	ANSI Type	Temp Class
SFFY	---	Polyurethane	---	Polyamide	MW80C	155
UEW-1	---	Polyurethane	---	---	MW2-C	105
UEW-2	---	Polyurethane	---	---	---	130
UEW-4	---	Polyurethane	---	---	MW75C	130
UEY	---	Polyurethane	Nylon	---	MW28-C	130
UEY-2	---	Polyurethane	Polyamide	---	MW28-C	130

@-May be suffixed by LZ; # - May be suffixed by LZ, EL or LZI.  
LZ - Signifies magned wires twisted together; EL - signifies base coated magnet wire laid parallel with top coat applied overall; LZL - signifies base coated magnet wire twisted together and covered with top coat overall.

Marking: Company name or trademarks **JSW** or 榮星電線, material designation or marked designation on packaed or reel, and Recognized Component Mark.

See General Information Preceding These Recognitions  
For use only in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

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September 8, 2000