

# SPECIFICATION FOR APPROVAL

REF : 20091221-D

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PROD. NAME	RADIAL INDUCTOR	ABC'S DWG NO. ABC'S ITEM NO.	RB0912□□□□L□-□□□
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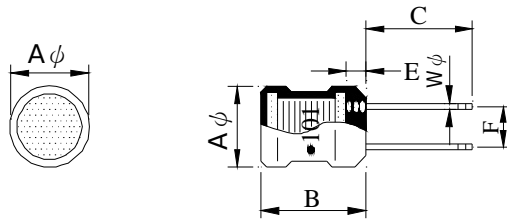
## I . CONFIGURATION & DIMENSIONS :

Marking :

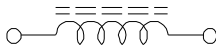
" ● " : Start

● 101----100 uH (Inductance code)

A	: 8.7±0.5	m/m
B	: 10.0±1.0	m/m
C	: 5.0±1	m/m
E	: 2.5 max.	m/m
F	: 5.0±0.8	m/m
Wφ	: 0.65	m/m

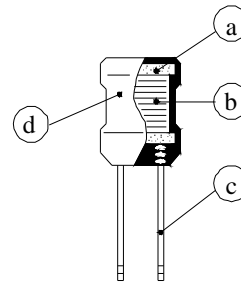


## II . SCHEMATIC DIAGRAM :



## III . MATERIALS :

- a . Core : Ferrite DR core
- b . Wire : Enamelled copper wire (Class F)
- c . Lead : Sn/Ag/Cu
- d . Tube : Shrinkable 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. : -40°C ---- +105°C
- c . Operating temp. : -40°C ---- +105°C

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## V . ELECTRICAL CHARACTERISTICS :

DWG No.	Inductance ( $\mu$ H)	Q ref.	Test Freq. (Hz)		SRF (MHz) typ.	RDC ( $\Omega$ ) max.	IDC (A) max.
			L	Q			
RB09121R5ML□-□□□	1.5 $\pm$ 20%	30	1K	7.960M	78.0	0.008	5.40
RB09122R2ML□-□□□	2.2 $\pm$ 20%	30	1K	7.960M	63.0	0.010	4.50
RB09123R3ML□-□□□	3.3 $\pm$ 20%	30	1K	7.960M	50.0	0.018	3.60
RB09124R7ML□-□□□	4.7 $\pm$ 20%	30	1K	7.960M	41.0	0.022	3.10
RB09126R8ML□-□□□	6.8 $\pm$ 20%	30	1K	7.960M	33.0	0.028	2.50
RB0912100KL□-□□□	10.0 $\pm$ 10%	60	1K	2.520M	27.0	0.043	2.10
RB0912150KL□-□□□	15.0 $\pm$ 10%	50	1K	2.520M	21.0	0.056	1.70
RB0912220KL□-□□□	22.0 $\pm$ 10%	50	1K	2.520M	17.0	0.086	1.40
RB0912330KL□-□□□	33.0 $\pm$ 10%	45	1K	2.520M	13.0	0.140	1.10
RB0912470KL□-□□□	47.0 $\pm$ 10%	40	1K	2.520M	11.0	0.170	0.96
RB0912680KL□-□□□	68.0 $\pm$ 10%	35	1K	2.520M	9.0	0.280	0.79
RB0912101KL□-□□□	100.0 $\pm$ 10%	55	1K	0.796M	7.2	0.330	0.66
RB0912151KL□-□□□	150.0 $\pm$ 10%	40	1K	0.796M	5.7	0.560	0.53
RB0912221KL□-□□□	220.0 $\pm$ 10%	30	1K	0.796M	4.5	0.720	0.44
RB0912331KL□-□□□	330.0 $\pm$ 10%	25	1K	0.796M	3.6	1.100	0.36
RB0912471KL□-□□□	470.0 $\pm$ 10%	25	1K	0.796M	2.9	1.700	0.30
RB0912681KL□-□□□	680.0 $\pm$ 10%	25	1K	0.796M	2.3	2.300	0.25
RB0912102KL□-□□□	1000.0 $\pm$ 10%	55	1K	0.252M	1.9	4.300	0.20

1). □ : Packaging information... A : Bulk

2). "-□□□":Reference code

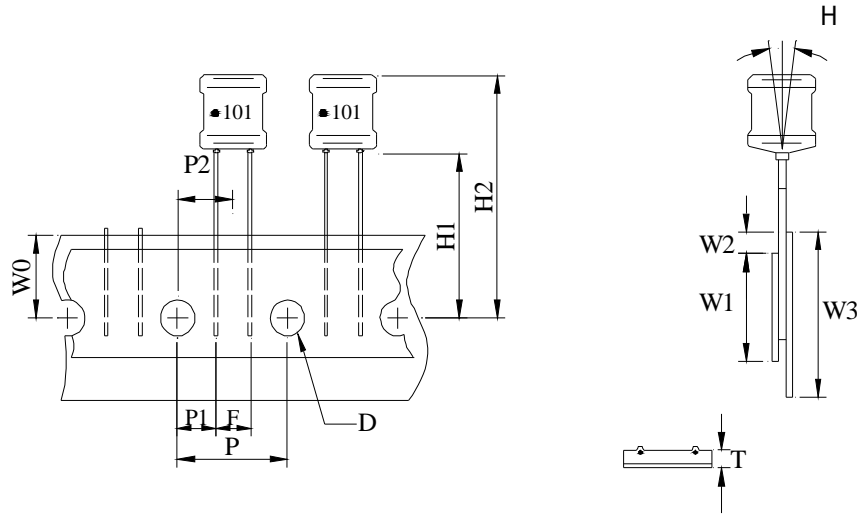
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**VI . TAPED PACKAGE DIMENSIONS :**



Note : color code without regular direction

※ 500 Pcs / Reel

Item	Symbol	Specification			
		Milimeter		Inch	
		Size	Tolerance	Size	Tolerance
Tape feed hole diameter	D	4.00	±0.20	0.157	±0.008
Component lead pitch	F	5.00	±0.50	0.200	±0.020
Front-to-rear deflection	H	2.00	max.	0.079	max.
Feed hole to bottom of component	H1	18.50	±0.80	0.728	±0.032
Feed hole to overall component height	H2	32.00	max.	1.083	max.
Feed hole pitch	P	12.70	±0.30	0.500	±0.012
Lead location	P1	3.85	±0.70	0.152	±0.028
Center of component location	P2	6.35	±1.30	0.250	±0.051
Overall taped package thickness	T	1.42	max.	0.056	max.
Feed hole location	W0	9.00	±0.50	0.354	±0.020
Adhesive tape width	W1	15.00	±0.50	0.598	±0.020
Adhesive tape position	W2	4.00	max.	0.157	max.
Tape width	W3	18.00	±0.50	0.709	±0.020



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**VIII . 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	---	<b>Polyesterimide</b>		---	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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A not-for-profit organization dedicated to public safety and committed to quality service

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 magnet 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

