

SPECIFICATION FOR APPROVAL

REF : 20091221-D

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PROD.	RADIAL INDUCTOR	ABC'S DWG NO.	RB0912□□□□L□-□□□
NAME		ABC'S ITEM NO.	

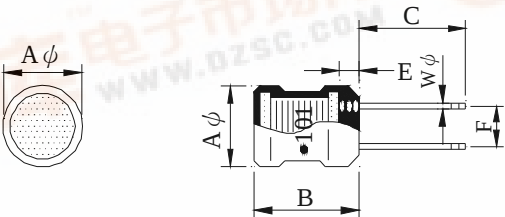
I . CONFIGURATION & DIMENSIONS :

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

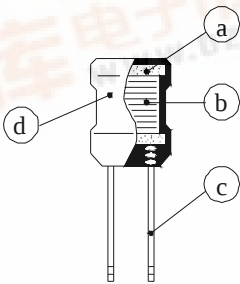


II . SCHEMATIC DIAGRAM :



III . MATERIALS :

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



IV . GENERAL SPECIFICATION :

- a . Temp. rise : 20℃ max. at rated current.
- b . Storage temp. : -40℃ ---- +105℃
- c . Operating temp. : -40℃ ---- +105℃

AR-001A

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V . ELECTRICAL CHARACTERISTICS :

DWG No.	Inductance (μ H)	Q ref.	Test Freq. (Hz)		SRF (MHz) typ.	RDC (Ω) 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

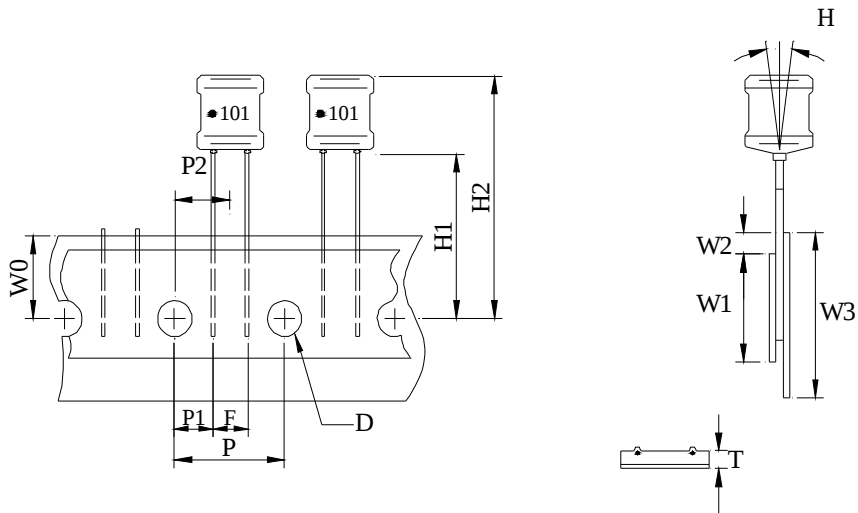
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VI . TAPED PACKAGE DIMENSIONS :



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
Compnent lead pitch	F	5.00	±0.50	0.200	±0.020
Front-to-rear deflection	H	2.00	max.	0.079	max.
Feed hole tobottom 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

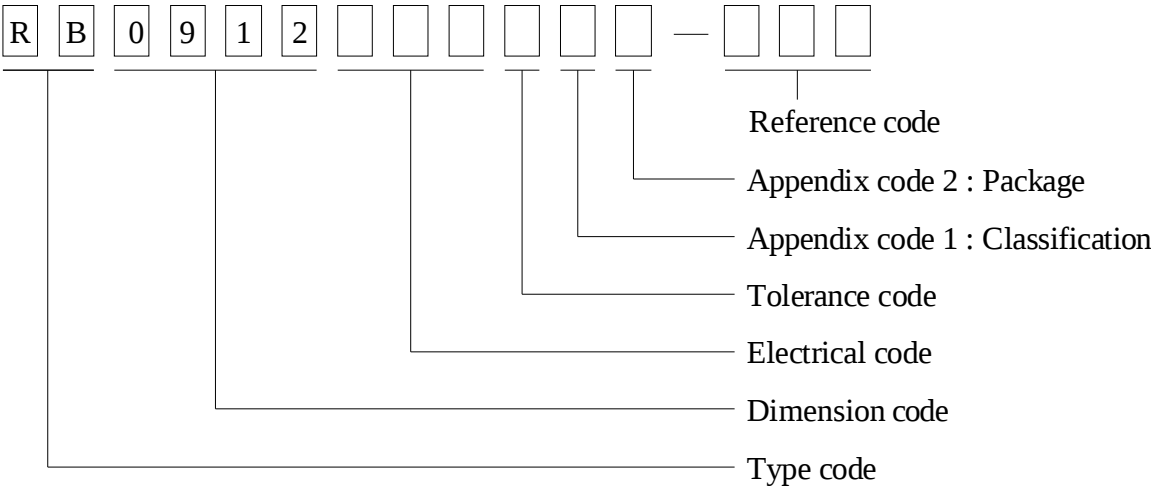
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VII . DWGING NUMBER EXPRESSION :



Appendix code 1 : Product Classification

- L : Lead Free Standard products comply with RoHS' requirements
- 1 ~ 9 : Lead Free Special products comply with RoHS' requirements

Appendix code 2 : Package Information

Code	Inner package	Inner package QTY	Remark
A	Box	200 pcs	
B	Bag	200 pcs	OEL
C	T.B.D.	T.B.D.	
D	T / B (Box package)	1000 pcs	
E	Tray	160 pcs	
F	T / R (Reel package)	500 pcs	
G	Box	200 pcs	Long L/W

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VIII . UL CARD :

OBMW2September 8, 2000

Magnet Wire-Component

JUNG SHING WIRE CO LTD231 CHUNG CHENG RD, SEC 3 JEN-TEH HSIANG, TAINANHSIEN TAIWANE174837

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	Modified	_____	180
EILOCKW	_____	Polyesterimide	Polyamide	Modified Epoxy	_____	200
EW	_____	Polyesterimide	_____	_____	_____	220
EW-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	_____	_____	155
SF.EILOCKY#	_____	Polyesterimide	Polyamide	_____	_____	180
SF.EILOCKBS	_____	Polyesterimide	Polyamide	Modified	_____	180
SF.BW@	_____	Modified Polyester	Polyamide	_____	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 LZL.
LZ - Signifies magned wires twisted together; EL - signifies base coated magnet wire laid parallel with top coat applied overall; LZL - signi-
fies 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

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