

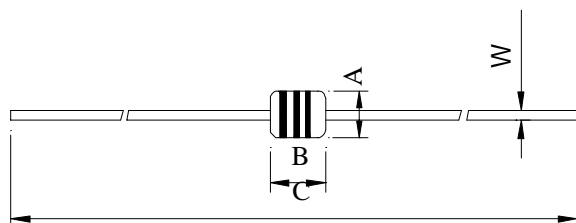
SPECIFICATION FOR APPROVAL

REF :

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PROD. NAME	AXIAL INDUCTOR	ABC'S DWG NO.	AA0204□□□□L□-□□□
		ABC'S ITEM NO.	

. CONFIGURATION & DIMENSIONS :

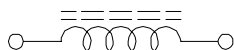


- A : 2.4 max. m/m
- B : 3.4 max. m/m
- C : 62.0 ref. m/m
- W : 0.48 m/m

Color code :

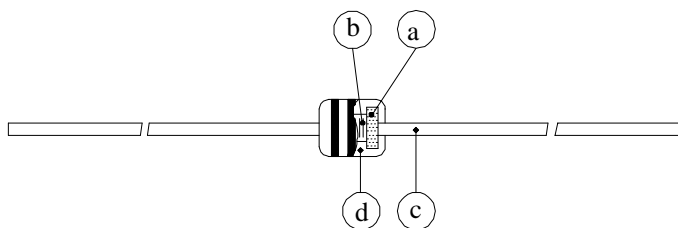
- 1st Color : First Significant Figure
- 2nd Color : Second Significant Figure
- 3rd Color : Multiplier

. SCHEMATIC DIAGRAM :



. MATERIALS :

- a . Core : Ferrite DR core
- b . Wire : Enamelled copper wire (class B)
- c . Terminal : Cu/Ni/Sn
- d . Coating : Epoxy resin
- e . Remark : Products comply with RoHS' requirements



. GENERAL SPECIFICATION :

- a . Temp. rise : 20 max.
- b . Ambient temp : 60 max.
- c . Operating temp : -20 ---- 80
- d . Terminal tensile strength : 1.0 KG min.
- e . Terminal bending strength : 0.3KG min.
- f . Dielectric withstanding voltage : 250 Vrms
- g . Rated currntnt : Base on temp. rise

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. ELECTRICAL CHARACTERISTICS :

DWG No.	Inductance (μH)	Q min.	Test Freq. (MHz)	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.	Color code		
							1st	2nd	3rd
AA0204R10KL□-□□□	0.10±10%	40	25.2	600.0	0.16	800	BN	BK	SIL
AA0204R12KL□-□□□	0.12±10%	40	25.2	520.0	0.16	790	BN	R	SIL
AA0204R15KL□-□□□	0.15±10%	40	25.2	500.0	0.16	790	BN	GN	SIL
AA0204R18KL□-□□□	0.18±10%	40	25.2	480.0	0.18	745	BN	GY	SIL
AA0204R22KL□-□□□	0.22±10%	40	25.2	420.0	0.20	705	R	R	SIL
AA0204R27KL□-□□□	0.27±10%	40	25.2	390.0	0.22	670	R	V	SIL
AA0204R33KL□-□□□	0.33±10%	40	25.2	350.0	0.24	645	O	O	SIL
AA0204R39KL□-□□□	0.39±10%	50	25.2	320.0	0.27	605	O	W	SIL
AA0204R47KL□-□□□	0.47±10%	50	25.2	300.0	0.30	575	Y	V	SIL
AA0204R56KL□-□□□	0.56±10%	50	25.2	280.0	0.34	540	GN	BU	SIL
AA0204R68KL□-□□□	0.68±10%	50	25.2	240.0	0.38	510	BU	GY	SIL
AA0204R82KL□-□□□	0.82±10%	50	25.2	210.0	0.43	480	GY	R	SIL
AA02041R0KL□-□□□	1.00±10%	50	25.2	190.0	0.46	465	BN	BK	GD
AA02041R2KL□-□□□	1.20±10%	50	7.96	110.0	0.52	435	BN	R	GD
AA02041R5KL□-□□□	1.50±10%	50	7.96	80.0	0.57	415	BN	GN	GD
AA02041R8KL□-□□□	1.80±10%	50	7.96	66.0	0.60	405	BN	GY	GD
AA02042R2KL□-□□□	2.20±10%	50	7.96	60.0	0.65	390	R	R	GD
AA02042R7KL□-□□□	2.70±10%	50	7.96	54.0	0.73	370	R	V	GD
AA02043R3KL□-□□□	3.30±10%	50	7.96	48.0	0.82	345	O	O	GD
AA02043R9KL□-□□□	3.90±10%	50	7.96	44.0	0.90	330	O	W	GD
AA02044R7KL□-□□□	4.70±10%	50	7.96	38.0	1.00	315	Y	V	GD
AA02045R6KL□-□□□	5.60±10%	50	7.96	34.0	1.10	300	GN	BU	GD
AA02046R8KL□-□□□	6.80±10%	50	7.96	30.0	1.20	285	BU	GY	GD
AA02048R2KL□-□□□	8.20±10%	50	7.96	26.0	1.30	275	GY	R	GD
AA0204100KL□-□□□	10.00±10%	50	7.96	24.0	1.40	265	BN	BK	BK
AA0204120KL□-□□□	12.00±10%	50	2.52	22.0	1.50	255	BN	R	BK
AA0204150KL□-□□□	15.00±10%	50	2.52	20.0	1.65	245	BN	GN	BK
AA0204180KL□-□□□	18.00±10%	50	2.52	18.0	1.90	225	BN	GY	BK
AA0204220KL□-□□□	22.00±10%	50	2.52	17.0	2.20	210	R	R	BK
AA0204270KL□-□□□	27.00±10%	50	2.52	16.0	2.50	200	R	V	BK
AA0204330KL□-□□□	33.00±10%	50	2.52	14.0	3.80	160	O	O	BK
AA0204390KL□-□□□	39.00±10%	50	2.52	13.0	4.20	150	O	W	BK
AA0204470KL□-□□□	47.00±10%	50	2.52	12.0	4.60	145	Y	V	BK
AA0204560KL□-□□□	56.00±10%	40	2.52	11.0	5.10	140	GN	BU	BK
AA0204680KL□-□□□	68.00±10%	40	2.52	10.0	5.60	130	BU	GY	BK
AA0204820KL□-□□□	82.00±10%	40	2.52	9.5	9.60	100	GY	R	BK
AA0204101KL□-□□□	100.00±10%	40	2.52	8.0	10.80	95	BN	BK	BN
AA0204121KL□-□□□	120.00±10%	40	0.796	6.5	12.50	85	BN	R	BN
AA0204151KL□-□□□	150.00±10%	40	0.796	6.0	14.50	80	BN	GN	BN
AA0204181KL□-□□□	180.00±10%	40	0.796	5.5	16.30	75	BN	GY	BN
AA0204221KL□-□□□	220.00±10%	40	0.796	5.0	20.00	70	R	R	BN

1). □ : Packaging Information... [A] : Bulk [B]: Taping / Box

2). "-□□□":Reference code

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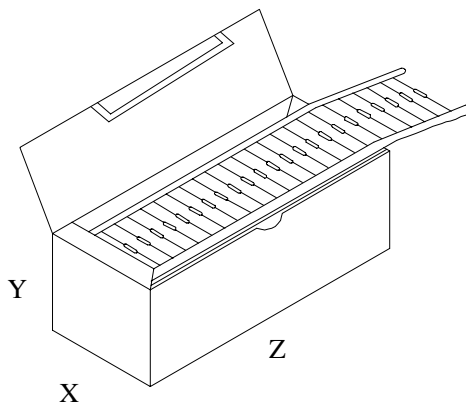
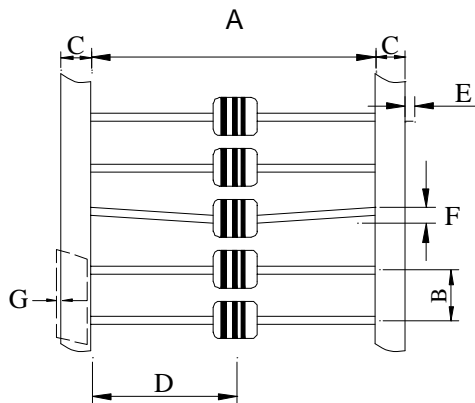
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. PACKAGING INFORMATION FOR ALA HORIZONTAL TAPING IN BOX

(1) Configuration



(2) Dimensions

Unit:m/m

Code	Style	Item	Specification	Item	Specification
C	T 26	A	26.00±1.50	B	5.00±0.50
		D	13.00±1.50	C	6.00±1.00
		E	0.00±0.50		
B	T 52	A	52.00±1.50	F	1.00 (max)
		D	26.00±1.50	G	1.00 (max)

(3) Q'TY & G.W. Per package

Code	Series	Inner : Box			Outer : Carton		
		Q'TY (pcs)	G.W. (gw)	Size (m/m)	Q'TY (pcs)	G.W. (Kg)	Size (cm)
B,C,E	AA0204	2,000	600	255 x 70 x 75	40,000	14.00	37.6 x 26.6 x 34.5
					20,000	7.50	

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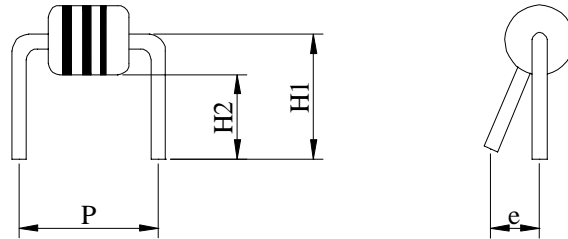
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. PARKING FOR M-FORMED TYPE



Unit : mm

Code	Style	P±1	H1±1	H2±1	e max.
D	FM Type	5.0	5.5	4.0	1.7

200 pcs / bag

1000 pcs / bag or 2000 pcs / bag

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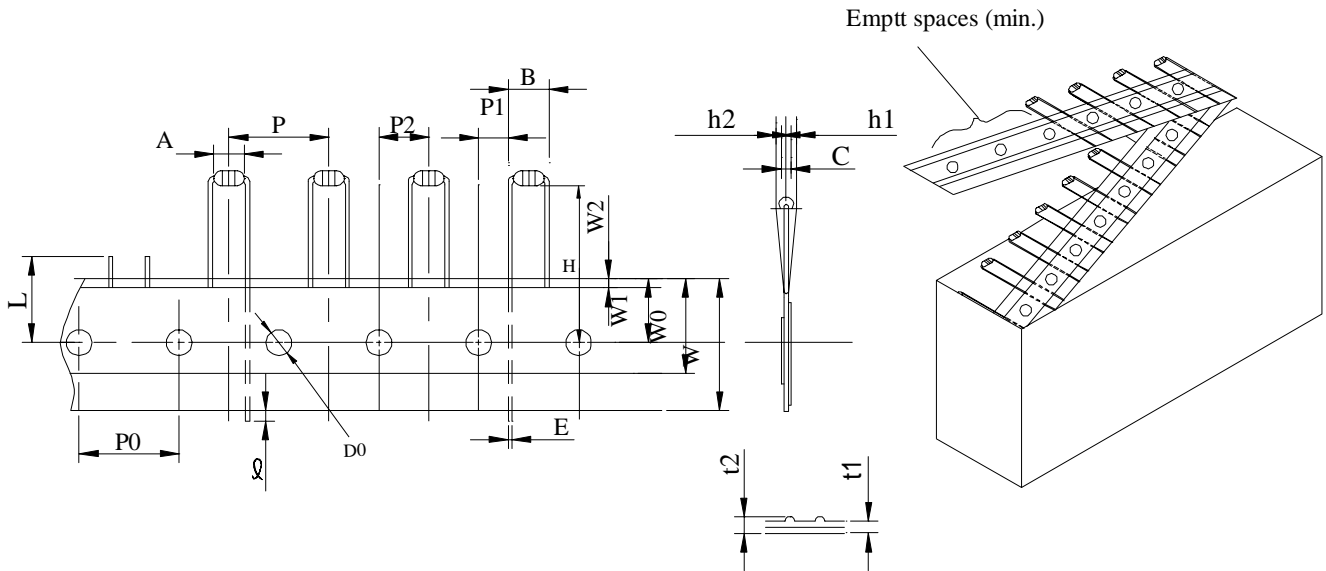
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. PACKAGING INFORMATION FOR BDC VERTICAL TAPING IN BOX

(1) Configuration (E)



(2) Dimension

Unit:m/m

Item	Specification	Item	Specification	Item	Specification
A	3.4 max.	P1	3.85±0.70	t1	0.60±0.30
B	5.0 ^{+0.8} / _{-0.2}	P2	6.35±1.30	t2	1.50 max.
C	2.4 max.	W	18.00 ^{+0.8} / _{-0.2}	Q	0.0 max.
E	ψ0.48±0.05	W0	15.00 min.	H	16.0±0.50 (9PF)
L	11.0 max.	W1	9.00±0.50		18.0±0.50 (8PF)
D0	4.0±0.20	W2	3.00 max.		19.5±0.50 (10PF)
P	12.7±1.00	△h1	1.00 max.		20.0±0.50 (PF)
P0	12.7±0.30	△h2	1.00 max.		

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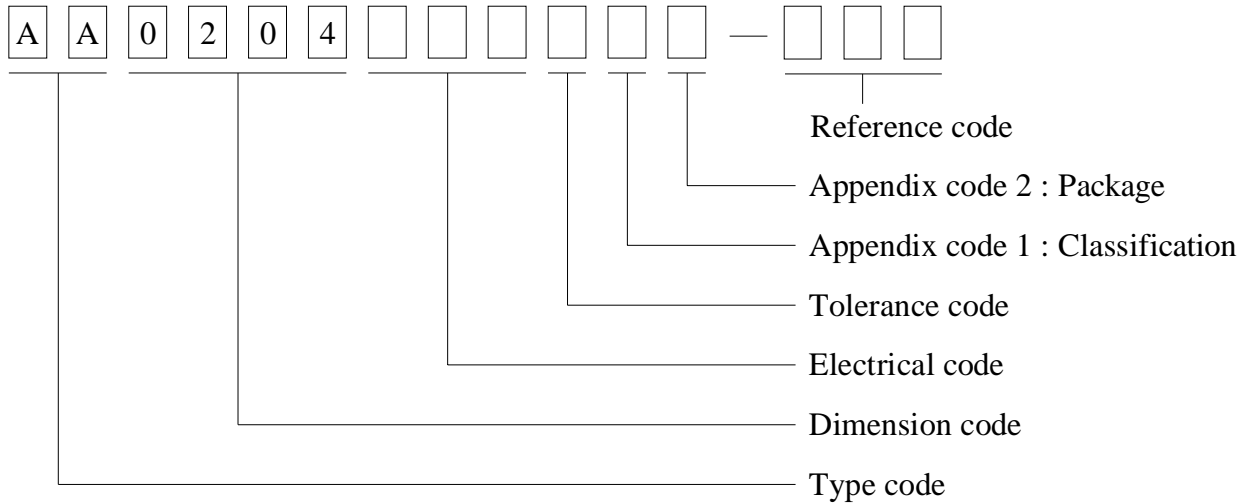
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. DWGING NUMBER EXPRESSION :



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 Q'TY	Remark
A	Bag (Axial type)	1000 pcs	
B	T / B (T52 Box package)	2000 pcs	
C	T / B (T26 Box package)	2000 pcs	
D	Bag (FM Forming type)	1000 pcs	
E	T / B (FM Forming type)	3000 pcs	
F	Bag (FA Forming type)	1000 pcs	

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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	Polyamide	---	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 LZL.
 LZ - Signifies magened 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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