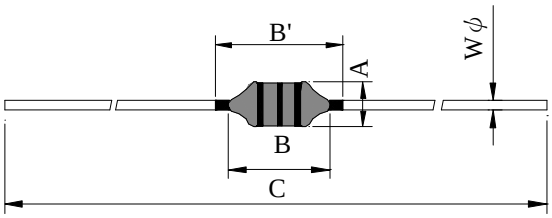
SPECIFICATION FOR APPROVAL

REF : 20080714-A

PROD. NAME	AXIAL INDUCTOR	ABC'S DWG NO.	AA0205□□□□L□-□□□
		ABC'S ITEM NO.	

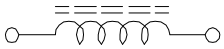
Ⅰ．CONFIGURATION & DIMENSIONS：



A ： 2.4 max. m/m
B ： 4.4 max. m/m
B' ： 5.4 max. m/m
C ： 63.0 ref. m/m
Wϕ： 0.45 m/m

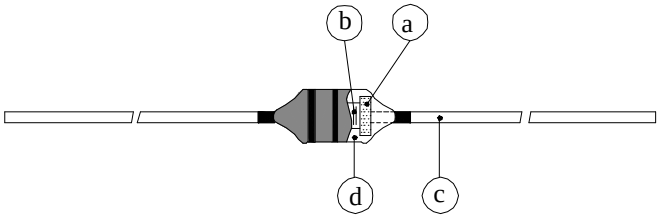
※Color code：
1st Color：First significant fogure
2nd Color：Second significant figure
3rd Color：Multiplier

Ⅱ．SCHEMATIC DIAGRAM：



Ⅲ．MATERIALS：

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



Ⅳ．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 current：Base on temp rise

ABC 千如電子集團
ABC ELECTRONICS GROUP.

SPECIFICATION FOR APPROVAL

PROD. NAME	AXIAL INDUCTOR	ABC'S DWG NO.	AA0205□□□□L□-□□□
		ABC'S ITEM NO.	

V . ELECTRICAL CHARACTERISTICS :

DWG No.	Inductance		Q	Test Freq.	SRF	RDC	IDC	Color Code		
	(μH)	TOL.	min.	(MHz)	(MHz) min	(Ω) max	(mA) max	1st	2nd	3rd
AA0205R10ML□-□□□	0.10	±20%	35	25.2	300.0	0.18	700	BN	BK	SIL
AA0205R12ML□-□□□	0.12	±20%	35	25.2	300.0	0.20	660	BN	R	SIL
AA0205R15ML□-□□□	0.15	±20%	35	25.2	300.0	0.22	620	BN	GN	SIL
AA0205R18ML□-□□□	0.18	±20%	35	25.2	300.0	0.24	600	BN	GY	SIL
AA0205R22ML□-□□□	0.22	±20%	35	25.2	150.0	0.40	400	R	R	SIL
AA0205R27ML□-□□□	0.27	±20%	35	25.2	150.0	0.43	380	R	V	SIL
AA0205R33ML□-□□□	0.33	±20%	35	25.2	150.0	0.48	370	O	O	SIL
AA0205R39ML□-□□□	0.39	±20%	35	25.2	150.0	0.51	350	O	W	SIL
AA0205R47ML□-□□□	0.47	±20%	35	25.2	150.0	0.56	330	Y	V	SIL
AA0205R56ML□-□□□	0.56	±20%	35	25.2	150.0	0.61	320	GN	BU	SIL
AA0205R68ML□-□□□	0.68	±20%	35	25.2	150.0	0.67	310	BU	GY	SIL
AA0205R82ML□-□□□	0.82	±20%	35	25.2	150.0	0.74	290	GY	R	SIL
AA02051R0KL□-□□□	1.00	±10%	35	25.2	150.0	0.80	270	BN	BK	GD
AA02051R2KL□-□□□	1.20	±10%	40	7.96	110.0	0.90	260	BN	R	GD
AA02051R5KL□-□□□	1.50	±10%	40	7.96	70.0	1.00	250	BN	GN	GD
AA02051R8KL□-□□□	1.80	±10%	40	7.96	60.0	1.10	240	BN	GY	GD
AA02052R2KL□-□□□	2.20	±10%	40	7.96	45.0	1.20	230	R	R	GD
AA02052R7KL□-□□□	2.70	±10%	40	7.96	40.0	1.30	220	R	V	GD
AA02053R3KL□-□□□	3.30	±10%	40	7.96	38.0	1.40	210	O	O	GD
AA02053R9KL□-□□□	3.90	±10%	40	7.96	36.0	1.50	200	O	W	GD
AA02054R7KL□-□□□	4.70	±10%	40	7.96	32.0	1.70	190	Y	V	GD
AA02055R6KL□-□□□	5.60	±10%	40	7.96	30.0	1.90	180	GN	BU	GD
AA02056R8KL□-□□□	6.80	±10%	40	7.96	28.0	2.00	175	BU	GY	GD
AA02058R2KL□-□□□	8.20	±10%	40	7.96	26.0	2.20	165	GY	R	GD
AA0205100KL□-□□□	10.00	±10%	40	7.96	24.0	2.50	160	BN	BK	BK
AA0205120KL□-□□□	12.00	±10%	40	2.52	22.0	2.50	150	BN	R	BK
AA0205150KL□-□□□	15.00	±10%	40	2.52	20.0	2.80	145	BN	GN	BK
AA0205180KL□-□□□	18.00	±10%	40	2.52	18.0	3.10	140	BN	GY	BK

1).□ : Pckage Information A□: Bulk B□: Taping / Box

2). "-□□□ ":Reference code

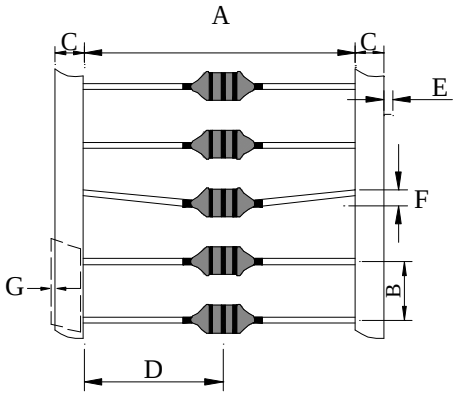
3). Test Equipment : HP4342A Q meter or equivalent

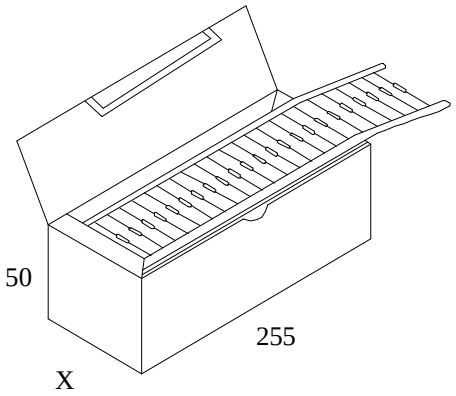
SPECIFICATION FOR APPROVAL

PROD. NAME	AXIAL INDUCTOR	ABC'S DWG NO.	AA0205□□□□L□-□□□
		ABC'S ITEM NO.	

Ⅵ . PACKAGING INFORMATION FOR ALA HORIZONTAL TAPING IN BOX

(1) Configuration





(2) Dimensions

Unit:m/m

Style	Item	Specification	Item	Specification
T 26	A	26.00±1.50	B	5.00±0.50
	D	13.00±1.50	C	6.00±1.00
	X	50.00±1.50	E	0.50 (max)
T 52	A	52.00±1.50	F	1.00 (max)
	D	26.00±1.50	G	1.00 (max)
	X	76.00±1.50		

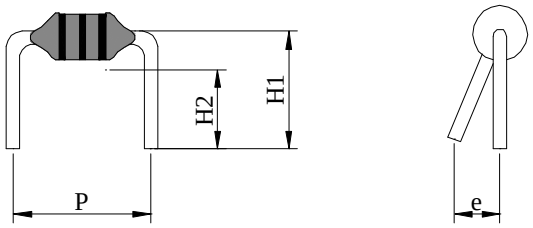
(3) Q'TY & G.W. Per package

Series	Inner : Box			Outer : Carton		
	Q'TY (pcs)	G.W. (gw)	Size (m/m)	Q'TY (pcs)	G.W. (Kg)	Size (cm)
AA0205	2,000	310	252 x 50 x 75	32,000	5.50	37.6 x 26.6 x 34.5
AA0205	2,000	385	252 x 75 x 75	32,000	6.00	37.6 x 26.6 x 34.5

SPECIFICATION FOR APPROVAL

PROD. NAME	AXIAL INDUCTOR	ABC'S DWG NO.	AA0205□□□□L□-□□□
		ABC'S ITEM NO.	

Ⅶ．PARKING FOR M-FORMED TYPE



Unit：mm

Style	P±1	H1±1	H2±1	e max.
Fm Type	7.0	6.0	5.0	1.7

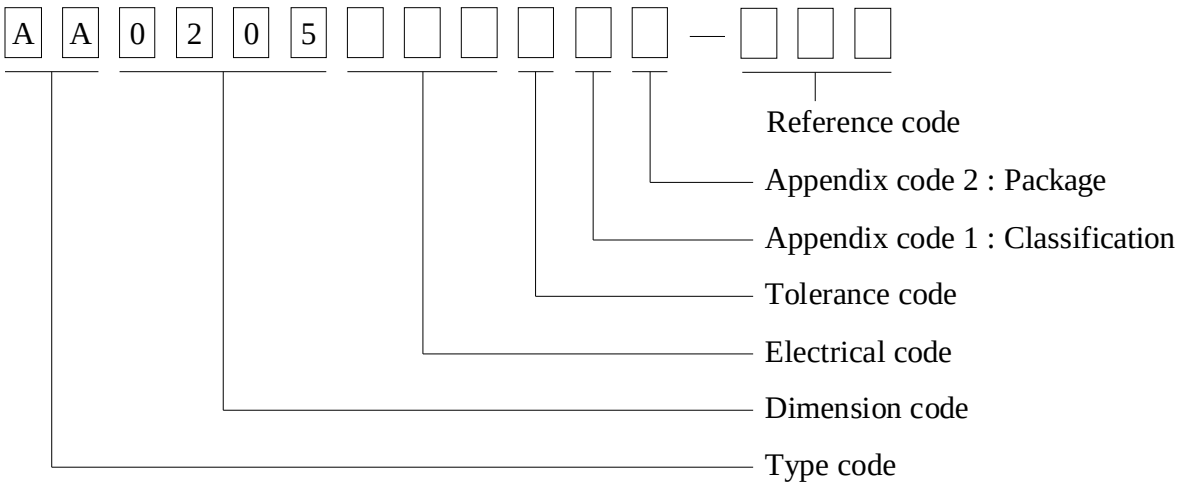
200 Pcs / Bag

1000 Pcs / Bag or 2000 Pcs / Bag

SPECIFICATION FOR APPROVAL

PROD. NAME	AXIAL INDUCTOR	ABC'S DWG NO.	AA0205□□□□L□-□□□
		ABC'S ITEM NO.	

Ⅷ . 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 pcakage QTY	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.D.	T.B.D.	
F	Bag (Fa forming type)	1000 pcs	

SPECIFICATION FOR APPROVAL

PROD. NAME	AXIAL INDUCTOR	ABC'S DWG NO.	AA0205□□□□L□-□□□
		ABC'S ITEM NO.	

Ⅸ．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	Coat Typ 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	Coat Typ 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 - 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