

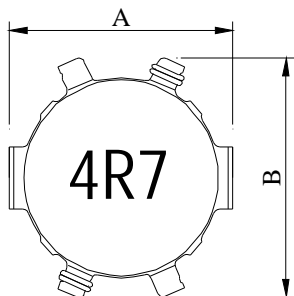
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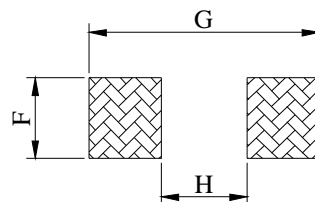
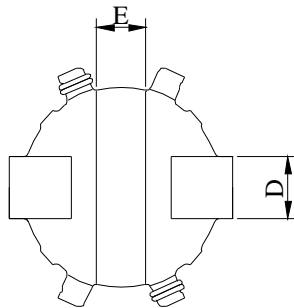
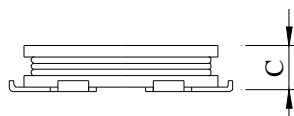
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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	CB3011□□□□L□-□□□
		ABC'S ITEM NO.	

I . CONFIGURATION & DIMENSIONS :

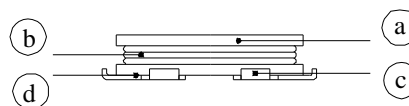


- A : 3.60±0.15 m / m
- B : 3.90 max. m / m
- C : 1.10±0.10 m / m
- D : 1.10±0.30 m / m
- E : 0.80±0.20 m / m
- F : 1.60 ref. m / m
- G : 4.00 ref. m / m
- H : 1.00 ref. m / m



(PCB Pattern Suggestion)

II . SCHEMATIC DIAGRAM :



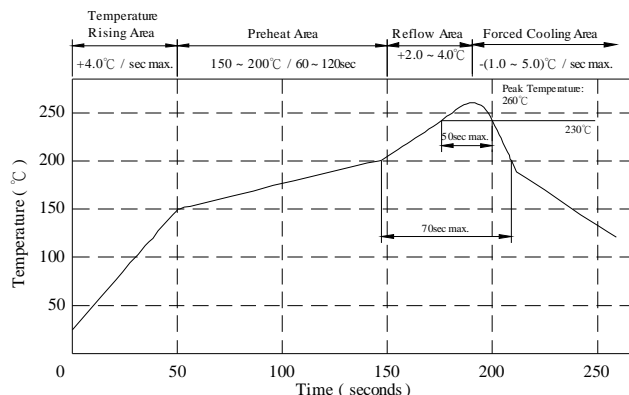
III . MATERIALS :

- a . Core : Ferrite core
- b . Wire : Enamelled copper wire
- c . Base : Cu/Ag(1.0um)
- d . Adhesive : Epoxy resin
- e . Remark : Products comply with RoHS' requirements

Peak Temp : 260°C max.
 Max time above 230°C : 50sec max.
 Max time above 200°C : 70sec max.

IV . GENERAL SPECIFICATION :

- a . Temp. rise : 40°C typ.
- b . Storage temp. : -40°C ----+120°C
- c . Operating temp. : -40°C ----+125°C
(included Temp. rise)
- d . Resistance to solder heat : 260°C .10 secs.



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V . ELECTRICAL CHARACTERISTICS :

DWG No.	Inductance (μ H) 0.1V/100KHz	RDC (Ω) max.	Irms. (A) typ.	Isat. (A) max.
CB30111R0ML□-□□□	1.0 \pm 20%	0.11	1.50	2.30
CB30111R8ML□-□□□	1.8 \pm 20%	0.14	1.30	1.70
CB30112R5ML□-□□□	2.5 \pm 20%	0.18	1.10	1.40
CB30113R3ML□-□□□	3.3 \pm 20%	0.26	0.85	0.90
CB30114R7ML□-□□□	4.7 \pm 20%	0.32	0.72	0.88
CB30116R8ML□-□□□	6.8 \pm 20%	0.48	0.67	0.77
CB3011100ML□-□□□	10.0 \pm 20%	0.70	0.52	0.59
CB3011150ML□-□□□	15.0 \pm 20%	0.96	0.42	0.45
CB3011220ML□-□□□	22.0 \pm 20%	1.50	0.34	0.39

1). Packing information : A: Bulk B: Taping Reel

2)."- □□□ ":Reference code

3). Irms. base on temp. rise 40°C typ.

4). Isat. base on Δ L/LOA=10% max.

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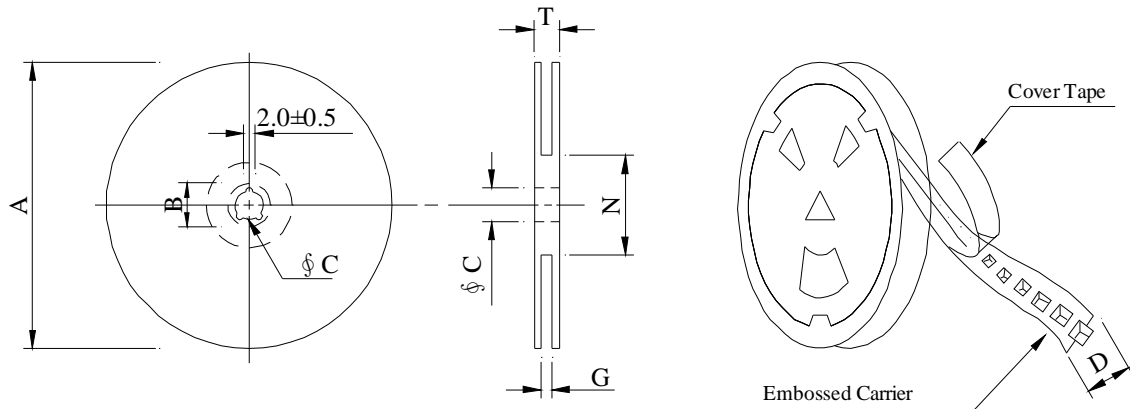
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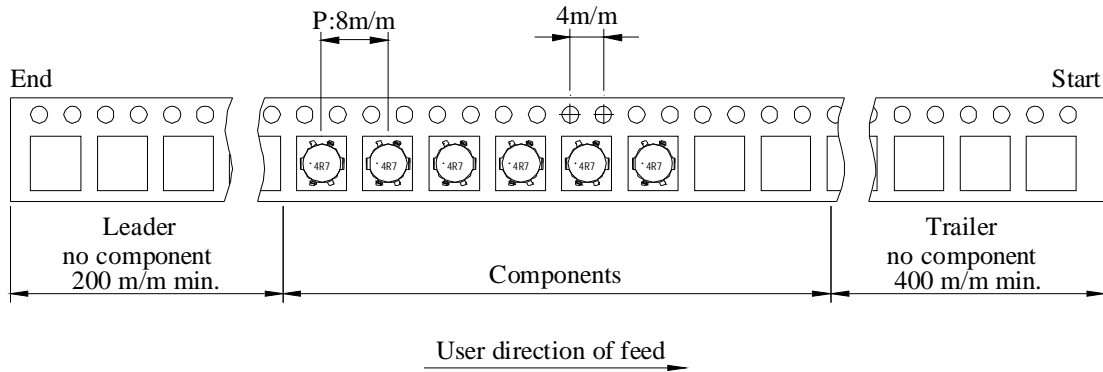
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VI . PACKAGING INFORMATION

(1) Configuration



※Carrier tape width : D



(2) Dimensions

Unit:m/m

Style	A	B	C	D	G	N	T
07 - 12	178	21±0.8	13	12	14 ⁺⁰	50 ⁻⁰	18.4

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

Series	Inner : Reel			Outer : Carton		
	Q'TY (pcs)	G.W. (gw)	Style	Q'TY (pcs)	G.W. (Kg)	Size (cm)
CB3011	1,500	180	07 - 12	60,000	7.2	42 x 41 x 24

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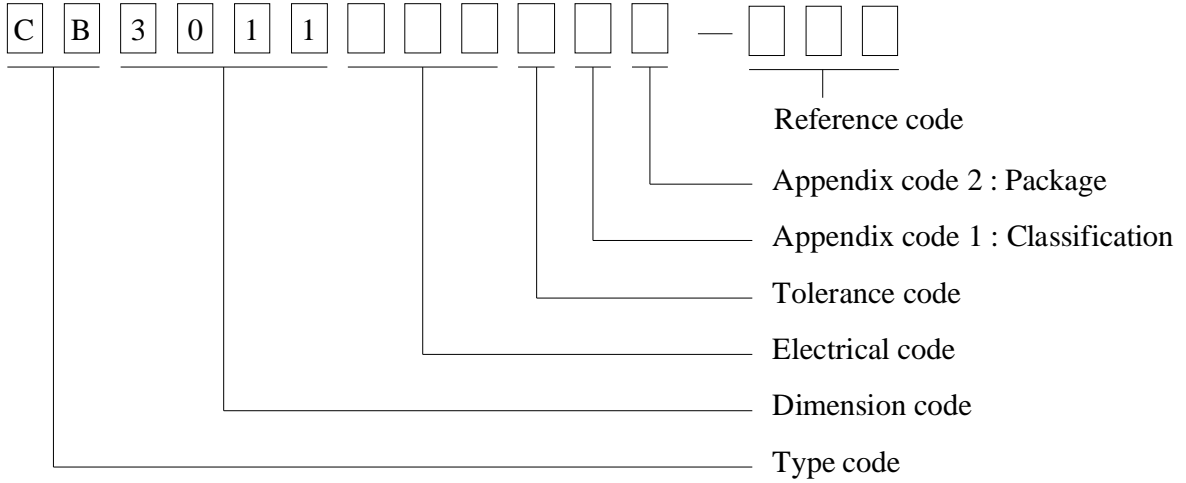
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VII . DWGING NUMBER EXPRESSION :



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 Q'TY	Remark
A	T.B.D.	T.B.D.	
B	T /R (Reel package)	1500 pcs	

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VIII . RELIABILITY TEST :

Test item	Specification	Test condition						
Solderability	More than 95% of the terminal electrode shall be covered With fresh solder.	Preheat : 155°C / 4 hours. Solder : Sn96.5 / Ag3 / Cu0.5 or equivalent Solder temp. : 235±5°C Flux : Rosin Dip time : 5±0.5 seconds						
Thermal shock test (Temp. cycle)	Electrical characteristics shall not change more than ±20%	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Room temp. 15 minutes</td> <td style="text-align: center;">→</td> <td style="text-align: center;">-40 °C 30 minutes</td> </tr> <tr> <td style="text-align: center;">Room temp. 15 minutes</td> <td style="text-align: center;">→</td> <td style="text-align: center;">+125 °C 30 minutes</td> </tr> </table> <p>Total : 50 cycles</p>	Room temp. 15 minutes	→	-40 °C 30 minutes	Room temp. 15 minutes	→	+125 °C 30 minutes
Room temp. 15 minutes	→	-40 °C 30 minutes						
Room temp. 15 minutes	→	+125 °C 30 minutes						
Humidity Test		Temperature : 40±2°C Humidity : 90±5% Time : 1000 hours						
High temp. Resistance test		Temperature : 125±5°C Applied current : Per spec. Time : 96 hours						

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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	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
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 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 - 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

