

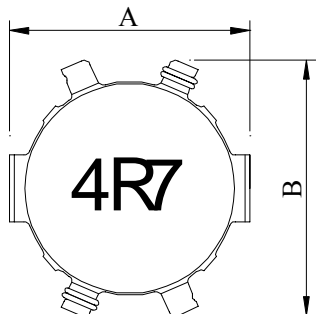
# SPECIFICATION FOR APPROVAL

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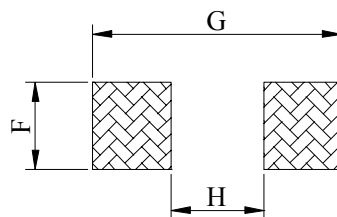
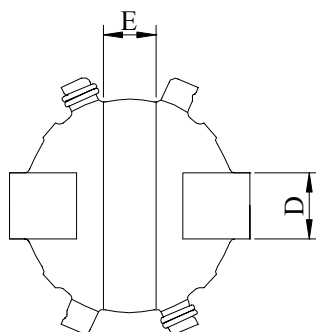
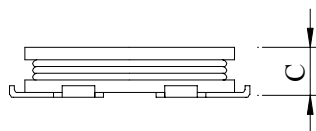
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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO. ABC'S ITEM NO.	CB6011□□□□L□-□□□
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**. CONFIGURATION & DIMENSIONS :**

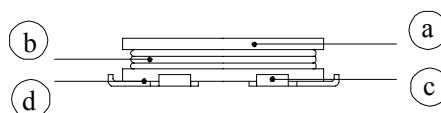
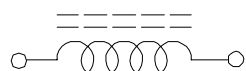


A :	6.20±0.15	m / m
B :	6.60 max.	m / m
C :	1.10±0.10	m / m
D :	2.00±0.30	m / m
E :	1.50±0.20	m / m
F :	2.20 ref.	m / m
G :	6.60 ref.	m / m
H :	4.00 ref.	m / m



(PCB Pattern Suggestion)

**. SCHEMATIC DIAGRAM :**



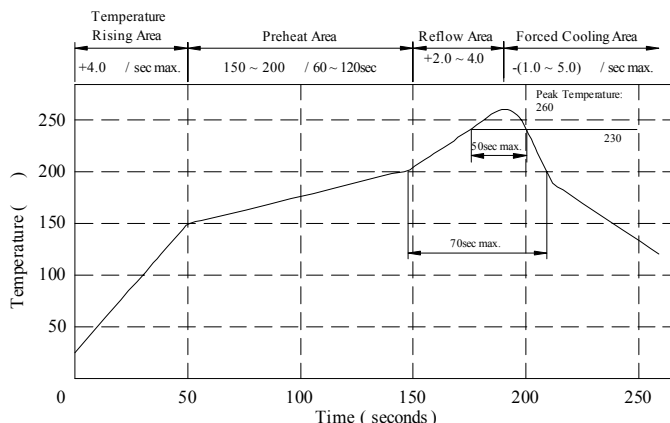
**. MATERIALS :**

- 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 max.  
 Max time above 230 : 50sec max.  
 Max time above 200 : 70sec max.

**. GENERAL SPECIFICATION :**

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



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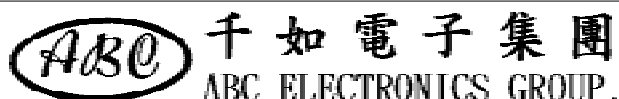
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		ABC'S ITEM NO.	

**. ELECTRICAL CHARACTERISTICS :**

DWG No.	Inductance ( $\mu$ H) 0.1V/100KHz	RDC ( $\Omega$ ) max.	Irms. ( A ) typ.	Isat. ( A ) max.
CB60111R5ML□-□□□	1.5 $\pm$ 20%	0.09	1.90	2.50
CB60112R7ML□-□□□	2.7 $\pm$ 20%	0.12	1.65	1.80
CB60114R7ML□-□□□	4.7 $\pm$ 20%	0.17	1.38	1.55
CB60116R8ML□-□□□	6.8 $\pm$ 20%	0.30	1.24	1.24
CB6011100ML□-□□□	10.0 $\pm$ 20%	0.36	1.07	1.07
CB6011150ML□-□□□	15.0 $\pm$ 20%	0.55	0.88	0.88
CB6011220ML□-□□□	22.0 $\pm$ 20%	0.74	0.73	0.72
CB6011330ML□-□□□	33.0 $\pm$ 20%	1.25	0.57	0.54
CB6011470ML□-□□□	47.0 $\pm$ 20%	1.65	0.50	0.46

- 1). Packing information :  [A]: Bulk  [B]: Taping Reel
- 2). "- □□□ ":Reference code
- 3). Irms. base on temp. rise 40 typ.
- 4). Isat. base on L/LOA=10% max.

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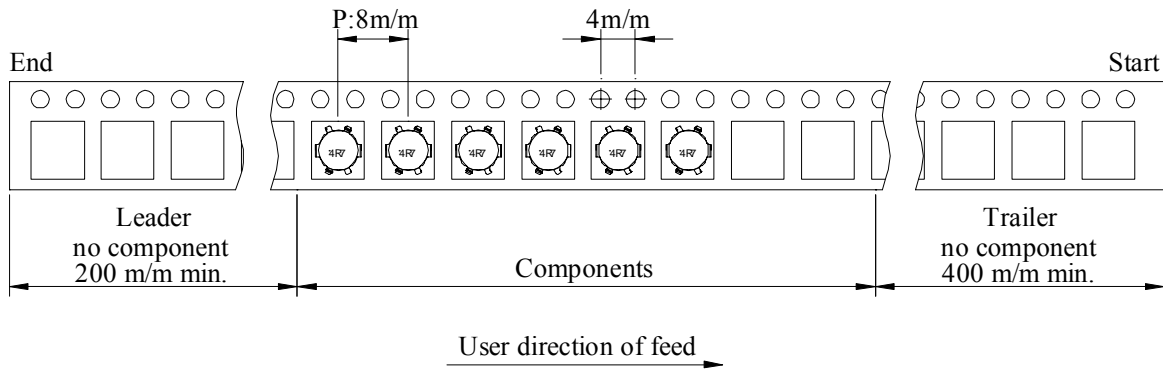
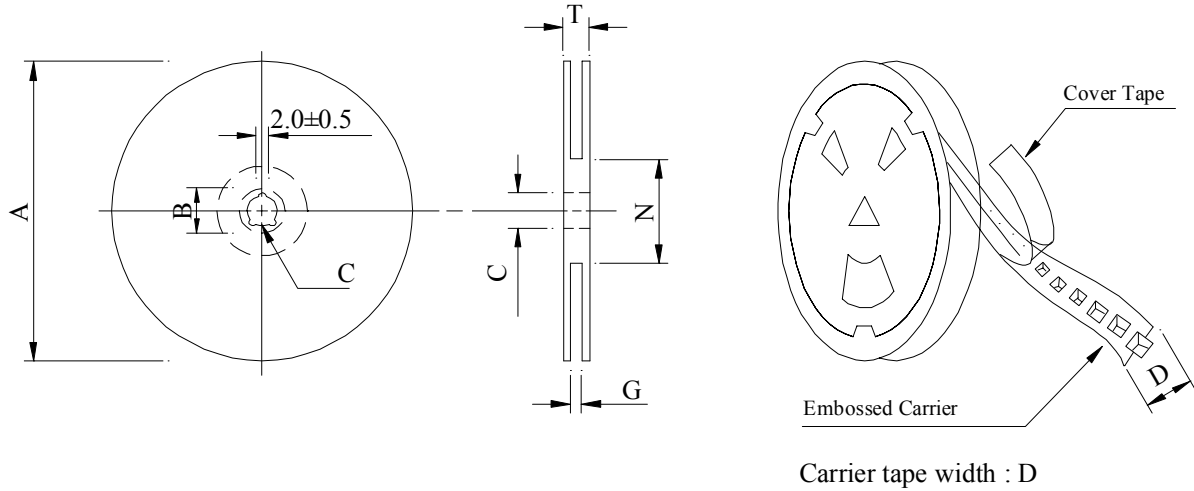
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		ABC'S ITEM NO.	

## PACKAGING INFORMATION

### (1) Configuration



### (2) Dimensions

Unit:m/m

Style	A	B	C	D	G	N	T
07 - 12	178	21±0.8	13	12	14 <sup>+0</sup>	50 <sup>-0</sup>	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)
CB6011	1,500	330	07 - 12	60,000	13.2	42 x 41 x 24

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**. RELIABILITY TEST :**

Test item	Specification	Test condition						
Solderability	More than 90% of the terminal electrode shall be covered With fresh solder.	Preheat : 150±25 for 60 seconds Solder : Sn96.5 / Ag3 / Cu0.5 or equivalent Solder temp. : 260±5 Flux : Rosin Dip time : 4±1 seconds						
Thermal shock test ( Temp. cycle )	Inductance 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;"><u>-25±2</u> 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;"><u>85±2</u> 30 minutes</td> </tr> </table> <p>Total : 50 cycles</p>	Room temp. 15 minutes	→	<u>-25±2</u> 30 minutes	Room temp. 15 minutes	→	<u>85±2</u> 30 minutes
Room temp. 15 minutes		→	<u>-25±2</u> 30 minutes					
Room temp. 15 minutes		→	<u>85±2</u> 30 minutes					
Humidity Resistance test		Temperature : 40±2 Humidity : 90 ~ 95% Applied current : Per spec. Time : 500 hours						
High temp. Resistance test	Temperature : 80±2 Applied current : Per spec. Time : 500 hours							

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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		---	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

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September 8, 2000

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