

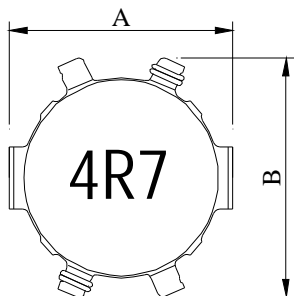
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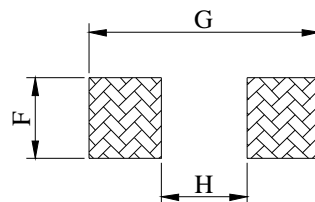
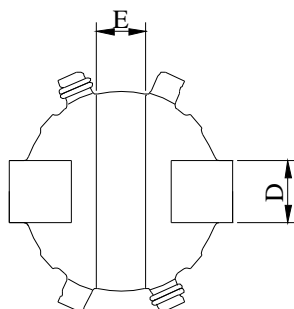
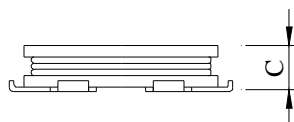
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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	CB3011□□□□L□-□□□
		ABC'S ITEM NO.	

I . CONFIGURATION & DIMENSIONS :

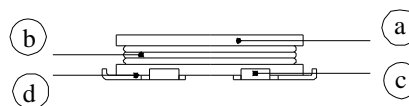
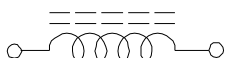


- A : 3.60±0.15 m / m
- B : 3.90 max. m / m
- C : 1.10±0.10 m / m
- D : 1.10±0.30 m / m
- E : 0.80±0.20 m / m
- F : 1.60 ref. m / m
- G : 4.00 ref. m / m
- H : 1.00 ref. m / m



(PCB Pattern Suggestion)

II . SCHEMATIC DIAGRAM :



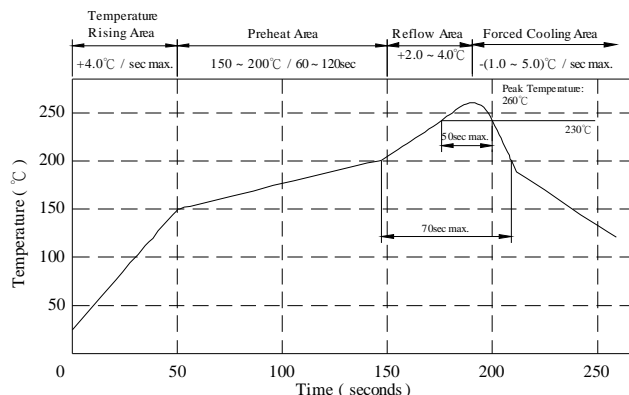
III . MATERIALS :

- 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 $\Delta L/L0A=10\%$ max.

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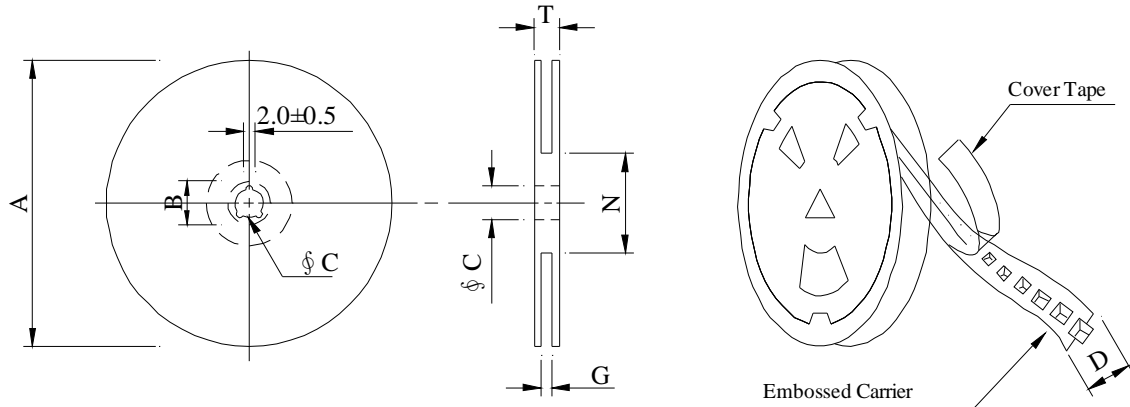
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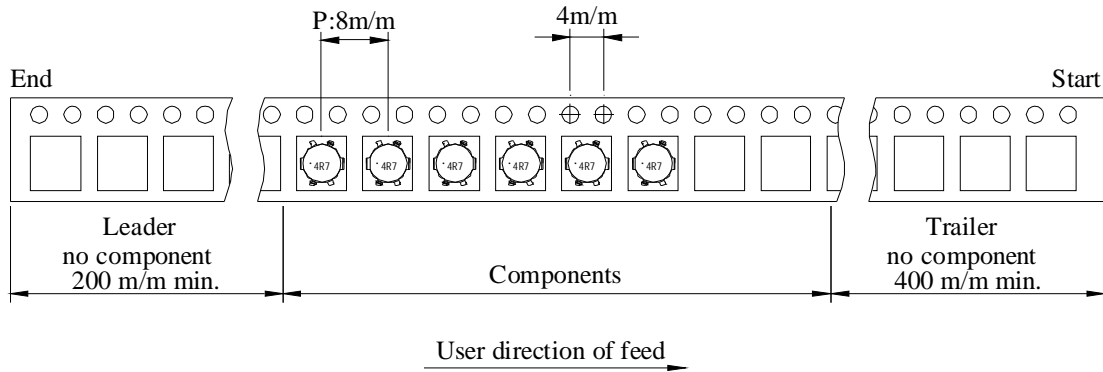
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VI . PACKAGING INFORMATION

(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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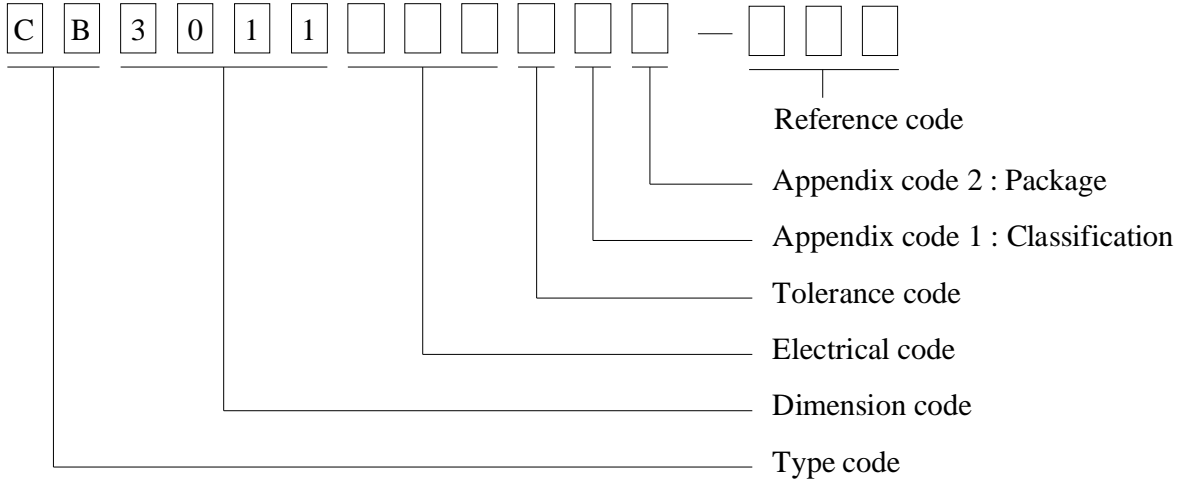
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VII . DWGING NUMBER EXPRESSION :



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 oharacteristics 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; vertical-align: middle;">→</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; vertical-align: middle;">→</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		<p>Temperature : 40±2°C Humidity : 90±5% Time : 1000 hours</p>						
High temp. Resistance test	<p>Temperature : 125±5°C Applied current : Per spec. Time : 96 hours</p>							

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