

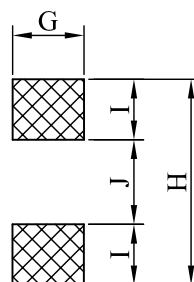
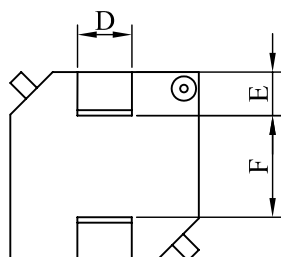
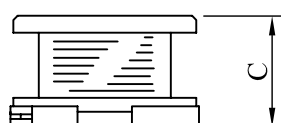
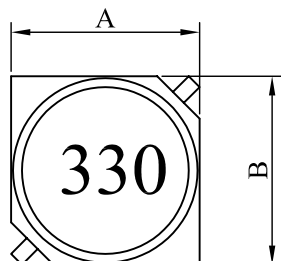
SPECIFICATION FOR APPROVAL

查询"SB7045470KL"供应商
REF :

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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SB7045□□□□L□-□□□
		ABC'S ITEM NO.	

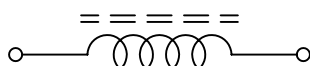
I . CONFIGURATION & DIMENSIONS :



(PCB Pattern)

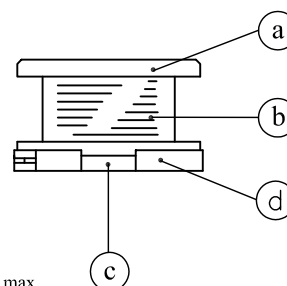
A :	7.0±0.3	m/m
B :	7.0±0.3	m/m
C :	4.5±0.3	m/m
D :	2.0 typ.	m/m
E :	1.5 typ.	m/m
F :	4.0 typ	m/m
G :	2.4 ref.	m/m
H :	7.8 ref.	m/m
I :	1.8 ref.	m/m
J :	4.2 ref.	m/m

II . SCHEMATIC DIAGRAM :



III . MATERIALS :

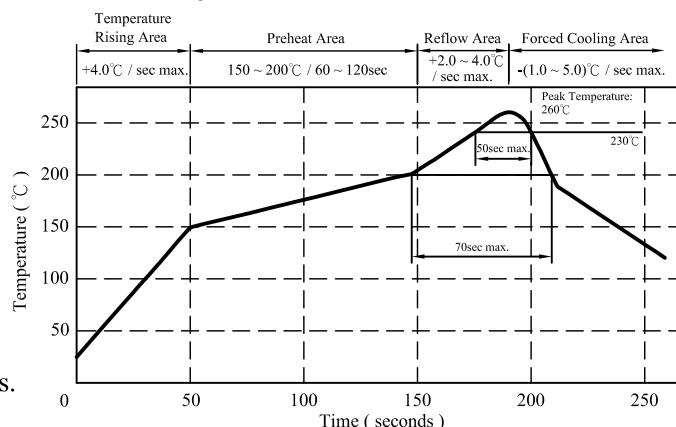
- a . Core : Ferrite DR core
- b . Wire : Enameled copper wire (class F)
- c . Terminal : Cu / Ni / Sn
- d . Base : LCP Base
- e . Adhesive : Epoxy resin
- f . Remark : Products comply with RoHS' requirements



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

IV . GENERAL SPECIFICATION :

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



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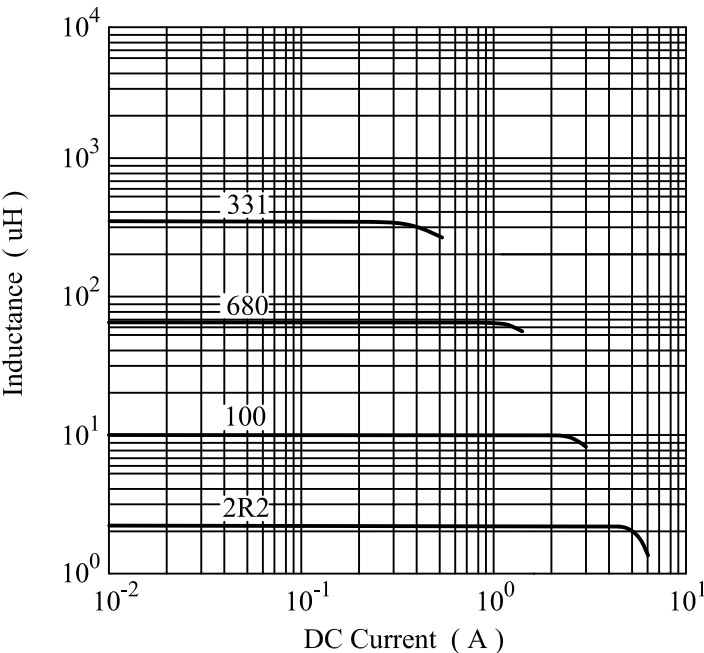
PROD.	SMD POWER INDUCTOR	ABC'S DWG NO.	SB7045□□□□L□-□□□
NAME		ABC'S ITEM NO.	

V . ELECTRICAL CHARACTERISTICS :

DWG No.	Inductance (μ H) 100KHz / 0.1V	Q ref.	Test Freq. (MHz)	SRF (MHz) typ.	RDC (Ω) max.	Irms (A) max.	Isat (A) typ.
SB70451R2ML□-□□□	1.2 $\pm$ 20%	25	7.96	90	0.022	3.80	5.00
SB70451R5ML□-□□□	1.5 $\pm$ 20%	26	7.96	109	0.027	3.50	4.50
SB70452R2ML□-□□□	2.2 $\pm$ 20%	24	7.96	79	0.032	3.30	4.00
SB70453R3ML□-□□□	3.3 $\pm$ 20%	23	7.96	47	0.036	2.80	3.70
SB70454R7ML□-□□□	4.7 $\pm$ 20%	23	7.96	38	0.042	2.60	3.40
SB70456R8ML□-□□□	6.8 $\pm$ 20%	22	7.96	35	0.054	2.25	2.70
SB7045100ML□-□□□	10.0 $\pm$ 20%	28	2.52	23	0.070	2.00	2.30
SB7045150ML□-□□□	15.0 $\pm$ 20%	24	2.52	19	0.086	1.60	1.90
SB7045220ML□-□□□	22.0 $\pm$ 20%	26	2.52	18	0.125	1.40	1.62
SB7045330ML□-□□□	33.0 $\pm$ 20%	20	2.52	18	0.150	1.22	1.32
SB7045470KL□-□□□	47.0 $\pm$ 10%	21	2.52	11	0.230	1.00	1.10
SB7045680KL□-□□□	68.0 $\pm$ 10%	17	2.52	11	0.280	0.90	0.92
SB7045101KL□-□□□	100.0 $\pm$ 10%	17	0.796	10	0.430	0.75	0.72
SB7045151KL□-□□□	150.0 $\pm$ 10%	17	0.796	8	0.580	0.62	0.58
SB7045221KL□-□□□	220.0 $\pm$ 10%	22	0.796	6	0.930	0.50	0.48
SB7045331KL□-□□□	330.0 $\pm$ 10%	20	0.796	6	1.240	0.42	0.40
SB7045471KL□-□□□	470.0 $\pm$ 10%	20	0.796	4	1.850	0.34	0.30
SB7045681KL□-□□□	680.0 $\pm$ 10%	18	0.796	4	2.400	0.30	0.26
SB7045102KL□-□□□	1000.0 $\pm$ 10%	48	0.252	3	4.000	0.22	0.20

- 1). □ : Packaging information ... [A] : Bulk [B] : Taping Reel
2). "-□□□":Reference code
3). I rms Base on Temp. rise 40℃ max.
4). Isat Base on Δ L/L0A=10 % typ.

@ Inductance VS. DC Superposition Characteristics



SPECIFICATION FOR APPROVAL

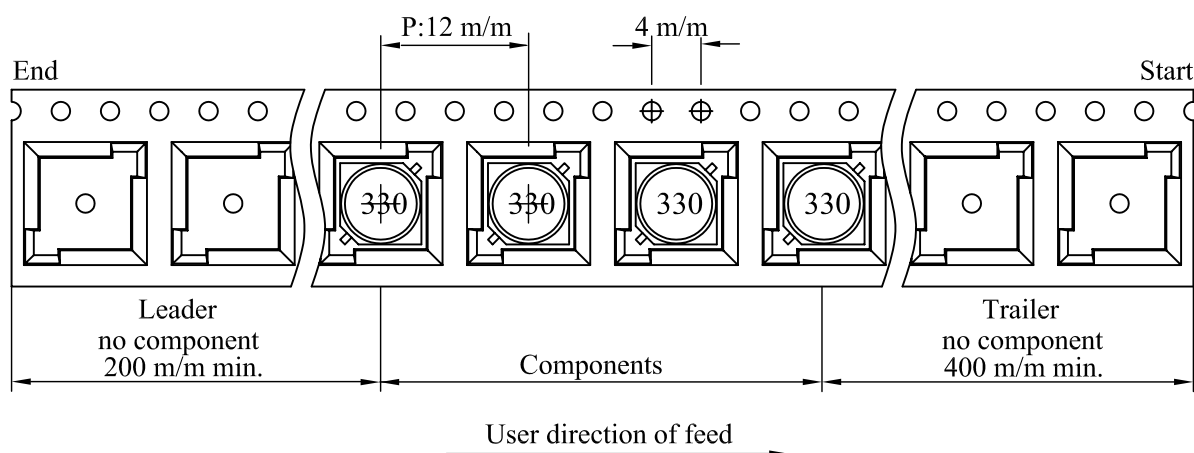
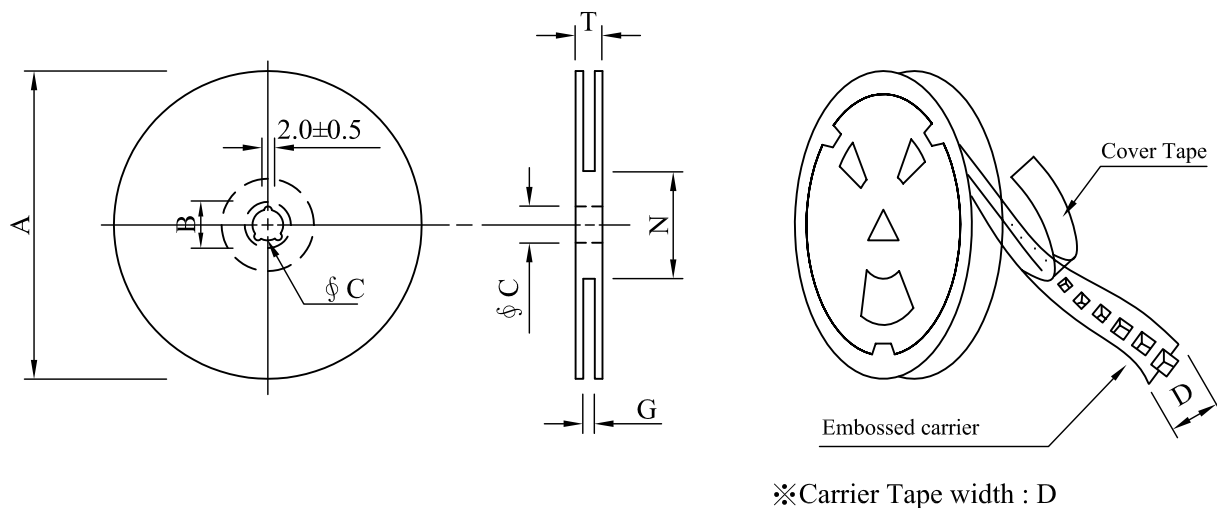
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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SB7045□□□□L□-□□□
		ABC'S ITEM NO.	

VI . PACKAGING INFORMATION :

(1) Configuration



(2) Dimensions

Unit:m/m

STYLE	A	B	C	D	G	N	T
13 - 16	330	21 ± 0.8	13 ± 0.5	16	18^{+0}	50^{-0}	22.4

(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)
SB7045	1,000	255	13 - 16	6,000	1.84	40 x 40 x 24

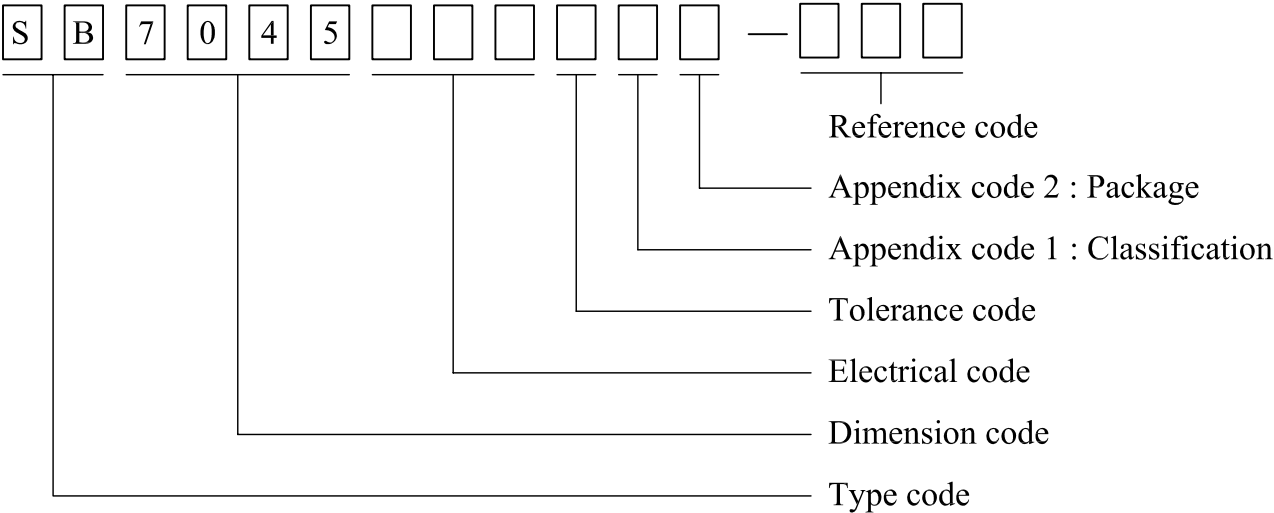
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		ABC'S ITEM NO.	

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)	1000 pcs	

REF: 查询"SB7045470KL"供应商

~~REF:~~

VIII . RELIABILITY TEST :

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PROD.	SMD POWER INDUCTOR	ABC'S DWG NO.	SB7045□□□□L□-□□□
NAME		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	BC	Coat Typ	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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dedicated to public safety and
committed to quality service

Mtl Dsg	Mark Dsg	BC	Coat Typ	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 magnet 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

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ABC ELECTRONICS GROUP.

REF: **查询"SB7045470KL"供应商**

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		ABC'S ITEM NO.	

(X) Denotes any number 1 thru 9.
(Y) Denotes any number 1 thru 7.

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