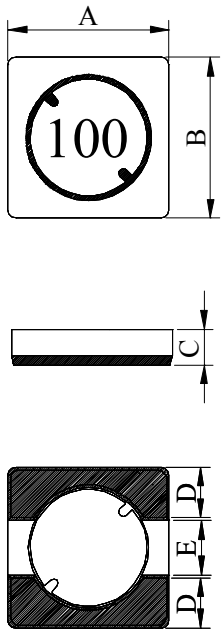
SPECIFICATION FOR APPROVAL

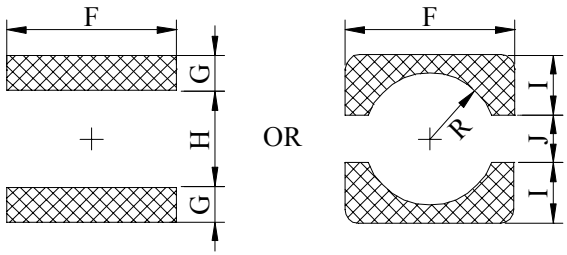
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PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO.	SH3009□□□□L□-□□□
		ABC'S ITEM NO.	

Ⅰ . CONFIGURATION & DIMENSIONS：

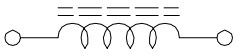


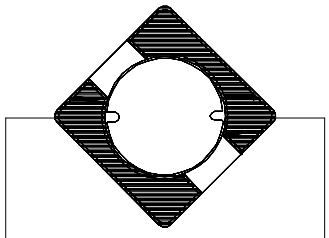
A	:	3.80 ±0.30	m/m
B	:	3.80 ±0.30	m/m
C	:	0.90 ±0.10	m/m
D	:	1.30 typ.	m/m
E	:	1.20 typ.	m/m
F	:	4.30 ref.	m/m
G	:	1.00 ref.	m/m
H	:	2.50 ref.	m/m
I	:	1.60 ref.	m/m
J	:	1.10 ref.	m/m
R	:	1.30 ref.	m/m

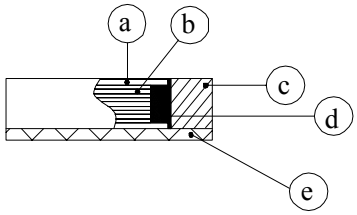


(PCB Pattern Suggestion)

Ⅱ . SCHEMATIC DIAGRAM：







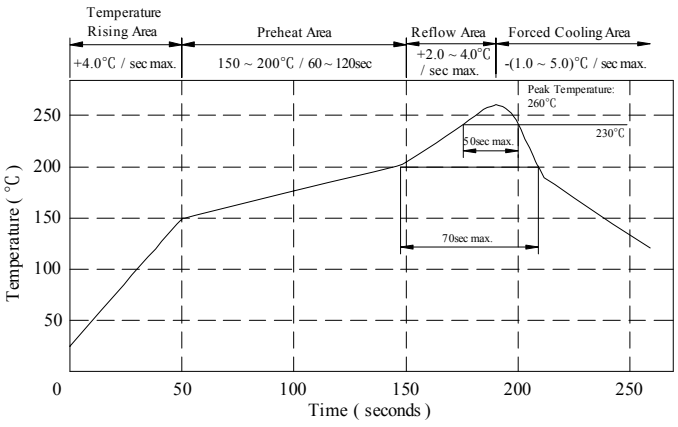
Ⅲ . MATERIALS：

a . Core：Ferrite DR core
b . Core：Ferrite RI core
c . Wire ：Enamelled copper wire (Class H)
d . Adhesive ：Epoxy resin
e . Terminal：Ag/Ni/Sn
f . Remark：Products comply with RoHS' requirements

Ⅳ . GENERAL SPECIFICATION：

a . Temp. rise ：40℃ typ.
b . Storage temp.：-40℃ ----+125℃
c . Operating temp.：-40℃----+105℃
d . Resistance to solder heat：260℃.10 secs.

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



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SPECIFICATION FOR APPROVAL

PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO.	SH3009□□□□L□-□□□
		ABC'S ITEM NO.	

Ⅴ . ELECTRICAL CHARACTERISTICS：

DWG No.	Inductance (μH)	Q ref.	Test Freq. (MHz)	SRF (MHz) typ.	RDC (mΩ) typ.	RDC (mΩ) max.	Irms (mA) typ.	Isat (mA) typ.
SH30091R3YL□-□□□	1.3 ± 30 %	8	7.96	145	65	85	1800	1600
SH30092R2YL□-□□□	2.2 ± 30 %	10	7.96	90	110	145	1300	1200
SH30093R3YL□-□□□	3.3 ± 30 %	8	7.96	80	180	235	1000	900
SH30094R7YL□-□□□	4.7 ± 30 %	8	7.96	68	270	350	760	700
SH30096R8YL□-□□□	6.8 ± 30 %	10	7.96	48	410	535	640	600
SH3009100YL□ -□□□	10.0 ± 30 %	12	2.52	44	540	700	600	550
SH3009150YL□ -□□□	15.0 ± 30 %	16	2.52	34	820	1065	420	400
SH3009220YL□ -□□□	22.0 ± 30 %	14	2.52	26	1150	1500	380	350

1). □：Packaging Information… A：Bulk B：Taping Reel

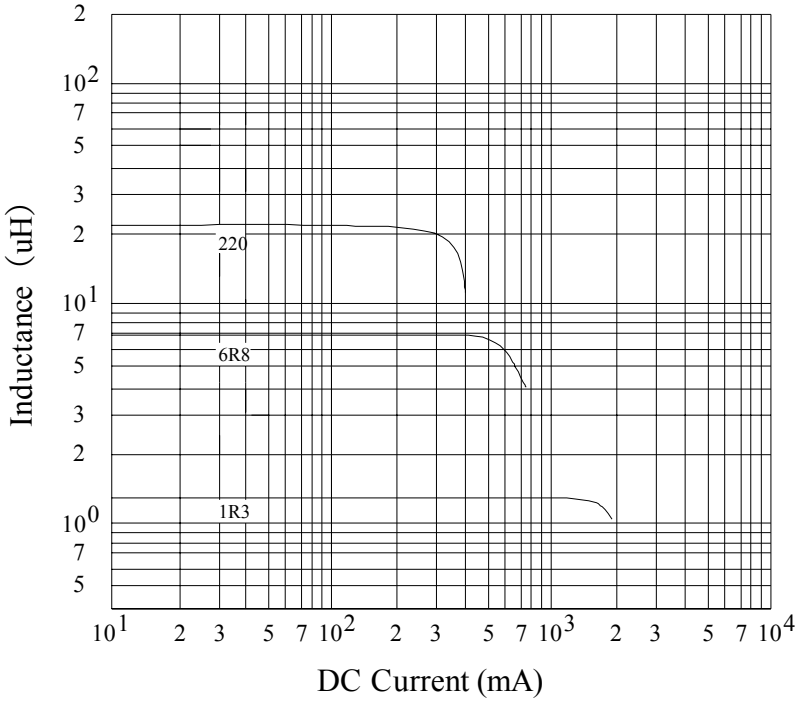
2)."-□□□ ":Reference code

3). Inductance Test Freq. ：100KHz /0.1V

4). Irms base on Temp. rise 40℃ typ.

5). Isat base on △L / LOA=35% typ.

@ Inductance VS. DC Currrent Curve



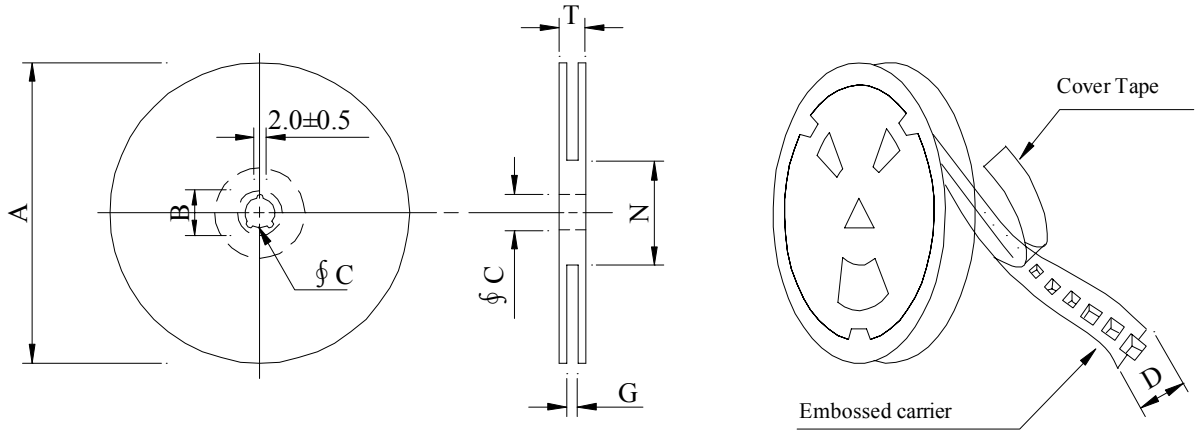
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SPECIFICATION FOR APPROVAL

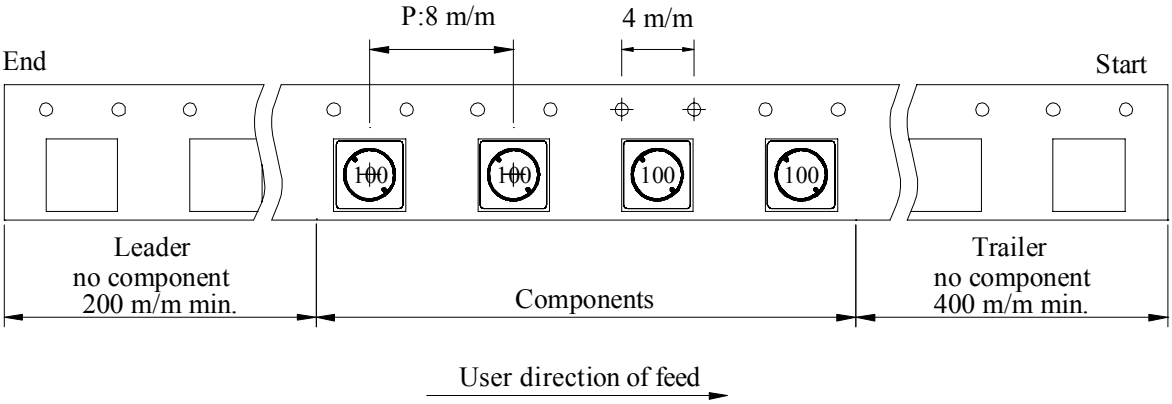
PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO.	SH3009□□□□L□-□□□
		ABC'S ITEM NO.	

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}	16.5

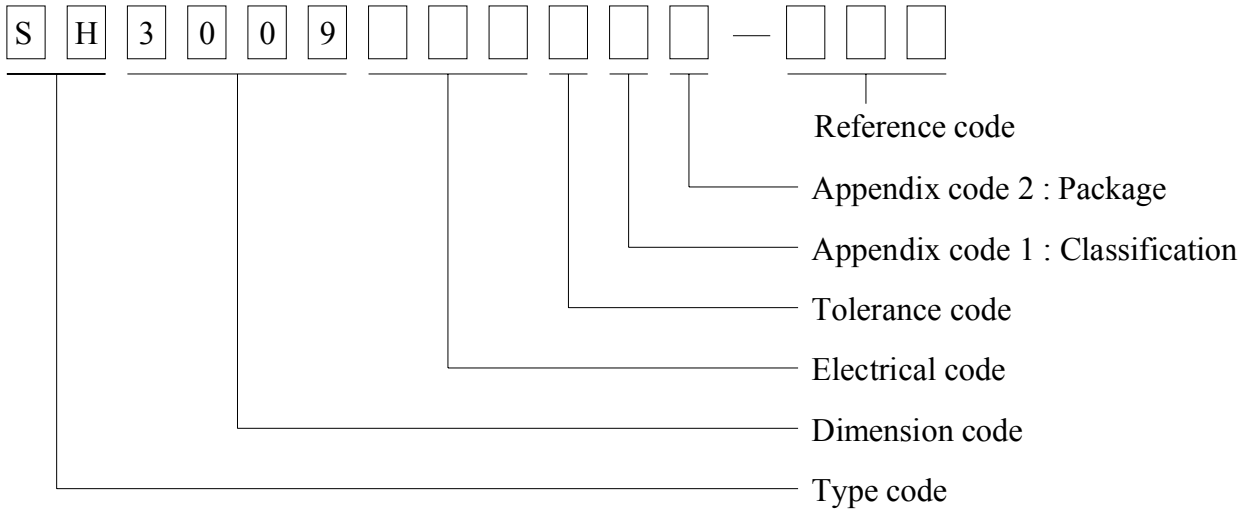
(3) Q'TY & G.W. Per package

Series	Inner : Reel			Outer : Carton		
	Q'TY (pcs)	G.W. (gw)	Style	Q'TY (pcs)	G.W. (Kg)	Size (cm)
SH3009	1,500	108	07 - 12	60,000	5.3	42 x 41 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)	1,500 pcs	

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Ⅷ . 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. : 235±5℃ Flux : Rosin Dip time : 4±1 seconds
Thermal shock test (Temp. cycle)	Inductance shall not change more than ±20%	Room temp. / 15 minutes → -25±2 ℃ / 30 minutes Room temp. / 15 minutes → 85±2 ℃ / 30 minutes Total : 50 cycles
Humidity Resistance test		Temperature : 40±2℃ Humidity : 90 ~ 95% Applied current : Per spec. Time : 500 hours
High temp. Resistance test		Temperature : 105±2℃ Applied current : Per spec. Time : 500 hours

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		ABC'S ITEM NO.	

Ⅸ．UL CARD：

OBMW2 August 27, 1999
Magnet Wire-Comporent

ELEKTRISOLA (MALAYSLA) SDN BHD E143312
IALAN DAMN SATU IANDA BAIK 28750 BENTONG, PAHANG
DARUL MAKMUR MALAYSIA

Mtl Dsg	Mark Dsg	Coating Type BC	OC	ANSI Typ	Temp Class
Estersol 160	E180	Polyesterimide (solderable)	——	MW-77	180
Amldester 200	A200	Polyesterimide	——	MW-74	200
Polysol-N 155	PN155	Polyurechane	Nylon	MW-80, MW-28	155, 100
Polysol 155	P155	Polyurechane	——	MW-79, MW-79	155, 130
Polysol 155g	Pg155	Polyurechane	——	MW-79	130
Polysol 155p	Pp155,Gp155	Polyurechane	——	MW-79	155
Polysol 160	P160	Polyurechane	——	MW-79	155
Polysol 180	P180	Polyurechane	——	MW-79	155
Polysol 170	P170 or G170	Polyurechane	——	MW-79	156
Polysol-N 180	PN180	Polyurechane	Nylon	——	180

Marking：Dompany name/nateriel designation or marked designation and factory identification on package ok reel

See General Information preceding These Recognitions
For use only in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.