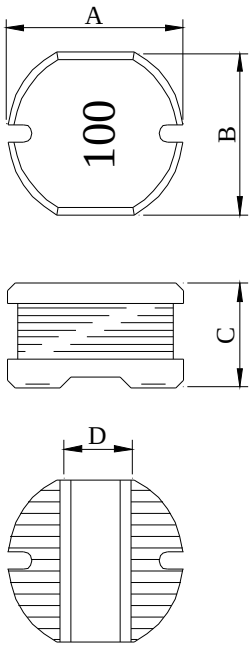
SPECIFICATION FOR APPROVAL

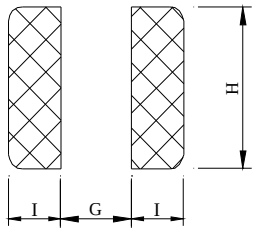
REF : 20090505-B

PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SR0302□□□□L□-□□□
		ABC'S ITEM NO.	

Ⅰ．CONFIGURATION & DIMENSIONS：

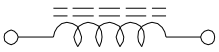


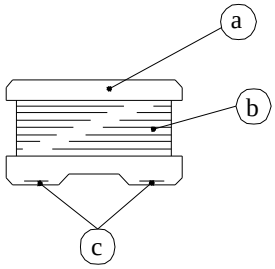
A	:	3.0±0.3	m/m
B	:	2.8±0.3	m/m
C	:	2.5±0.3	m/m
D	:	0.9 typ.	m/m
G	:	0.8 ref.	m/m
H	:	3.0 ref.	m/m
I	:	1.4 ref.	m/m



(PCB Pattern)

Ⅱ．SCHEMATIC DIAGRAM：





Ⅲ．MATERIALS：

a．Core：Ferrite DR core

b．Wire ：Enamelled copper wire (class H)

c．Terminal： Ag/Ni/Sn

d．Remark：Products comply with RoHS' requirements

Ⅳ．GENERAL SPECIFICATION：

a．Temp. rise ：40℃ max.

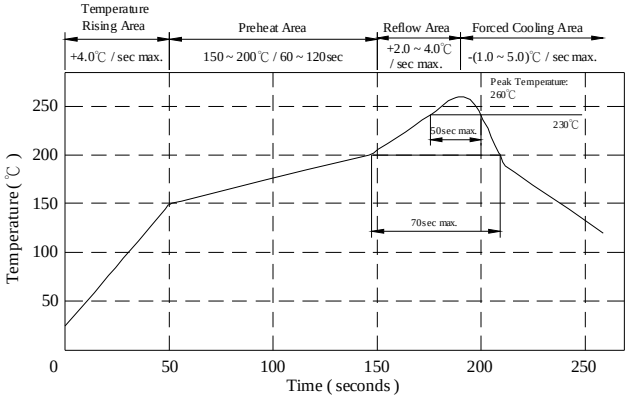
b．Rated current：Base on temp. rise
& △L / L0A=10% typ.

c．Storage temp.：-40℃ ----+125℃

d．Operating temp.：-40℃----+125℃

e．Resistance to solder heat：260℃.10 secs.

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



千如電子集團
ABC ELECTRONICS GROUP.

SPECIFICATION FOR APPROVAL

PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SR0302□□□□L□-□□□
		ABC'S ITEM NO.	

Ⅴ．ELECTRICAL CHARACTERISTICS：

DWG No.	Inductance (μH)	Q ref.	Test Freq.		SRF (MHz) typ.	RDC (Ω) max.	Irms (A) △T=40℃ max.	Isat (A) △L/L0A=10% typ.
			L (Hz)/0.1V	Q (MHz)				
SR03021R0ML□-□□□	1.0±20%	20	100K	7.96	125.0	0.06	2.100	2.700
SR03021R2ML□-□□□	1.2±20%	22	100K	7.96	100.0	0.07	2.000	2.500
SR03021R5ML□-□□□	1.5±20%	23	100K	7.96	95.0	0.07	1.900	2.300
SR03021R8ML□-□□□	1.8±20%	23	100K	7.96	85.0	0.08	1.800	2.000
SR03022R2ML□-□□□	2.2±20%	22	100K	7.96	75.0	0.09	1.650	1.850
SR03022R7ML□-□□□	2.7±20%	22	100K	7.96	72.0	0.10	1.500	1.700
SR03023R3ML□-□□□	3.3±20%	23	100K	7.96	68.0	0.11	1.400	1.600
SR03023R9ML□-□□□	3.9±20%	24	100K	7.96	50.0	0.12	1.300	1.500
SR03024R7ML□-□□□	4.7±20%	18	100K	7.96	45.0	0.15	1.200	1.350
SR03025R6ML□-□□□	5.6±20%	18	100K	7.96	42.0	0.16	1.100	1.300
SR03026R8ML□-□□□	6.8±20%	18	100K	7.96	40.0	0.18	1.000	1.200
SR03028R2ML□-□□□	8.2±20%	16	100K	7.96	35.0	0.20	0.900	1.050
SR0302100ML□-□□□	10.0±20%	18	100K	2.52	34.0	0.25	0.800	0.900
SR0302120ML□-□□□	12.0±20%	15	100K	2.52	33.0	0.28	0.750	0.850
SR0302150ML□-□□□	15.0±20%	20	100K	2.52	32.0	0.40	0.650	0.800
SR0302180ML□-□□□	18.0±20%	18	100K	2.52	28.0	0.46	0.580	0.750
SR0302220ML□-□□□	22.0±20%	23	100K	2.52	22.0	0.66	0.520	0.650
SR0302270ML□-□□□	27.0±20%	23	100K	2.52	20.0	0.75	0.480	0.550
SR0302330KL□-□□□	33.0±10%	20	100K	2.52	18.0	0.85	0.420	0.500
SR0302390KL□-□□□	39.0±10%	24	100K	2.52	18.0	1.12	0.380	0.450
SR0302470KL□-□□□	47.0±10%	23	100K	2.52	17.0	1.27	0.360	0.400
SR0302560KL□-□□□	56.0±10%	18	100K	2.52	16.0	1.45	0.340	0.350
SR0302680KL□-□□□	68.0±10%	24	100K	2.52	14.0	1.85	0.300	0.320
SR0302820KL□-□□□	82.0±10%	24	100K	2.52	12.0	2.10	0.280	0.300
SR0302101KL□-□□□	100.0±10%	40	100K	0.796	10.0	2.85	0.260	0.280
SR0302121KL□-□□□	120.0±10%	40	100K	0.796	10.0	3.20	0.220	0.250
SR0302151KL□-□□□	150.0±10%	38	100K	0.796	9.0	4.60	0.200	0.230
SR0302181KL□-□□□	180.0±10%	45	100K	0.796	8.5	5.00	0.185	0.210
SR0302221KL□-□□□	220.0±10%	40	100K	0.796	8.0	5.70	0.170	0.190
SR0302271KL□-□□□	270.0±10%	45	100K	0.796	7.0	8.60	0.150	0.170
SR0302331KL□-□□□	330.0±10%	40	100K	0.796	6.0	10.00	0.130	0.150
SR0302391KL□-□□□	390.0±10%	40	100K	0.796	5.5	10.80	0.120	0.140
SR0302471KL□-□□□	470.0±10%	42	100K	0.796	5.0	14.30	0.105	0.130
SR0302561KL□-□□□	560.0±10%	43	100K	0.796	4.8	16.00	0.095	0.120
SR0302681KL□-□□□	680.0±10%	43	100K	0.796	4.3	18.00	0.085	0.110
SR0302821KL□-□□□	820.0±10%	45	100K	0.796	4.0	22.50	0.080	0.100
SR0302102KL□-□□□	1000.0±10%	40	100K	0.252	3.2	26.00	0.070	0.090
SR0302122KL□-□□□	1200.0±10%	40	100K	0.252	3.0	30.00	0.060	0.080

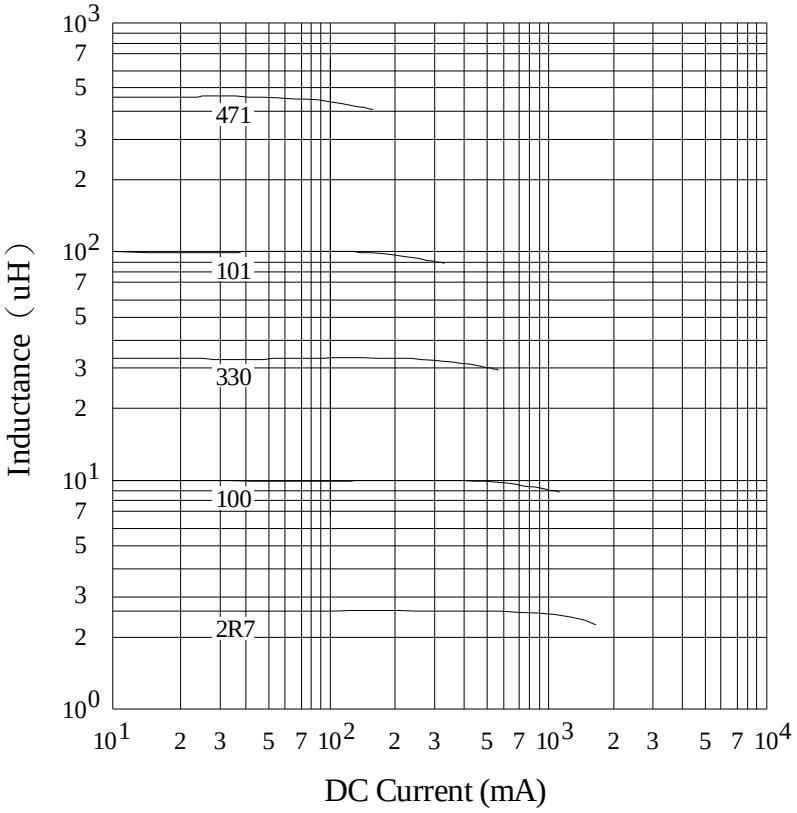
1). □：Packaging information… [A]: Bulk [B]: Taping Reel

2)."-□□□":Reference code

SPECIFICATION FOR APPROVAL

PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SR0302□□□□L□-□□□
		ABC'S ITEM NO.	

Ⅵ．INDUCTANCE VS. DC CURRENT CURVE：



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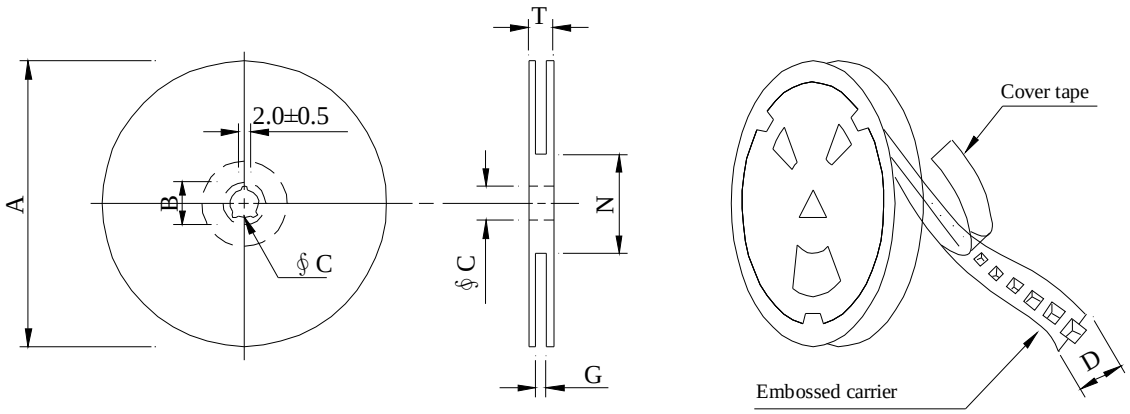
SPECIFICATION FOR APPROVAL

REF : 20090505-B

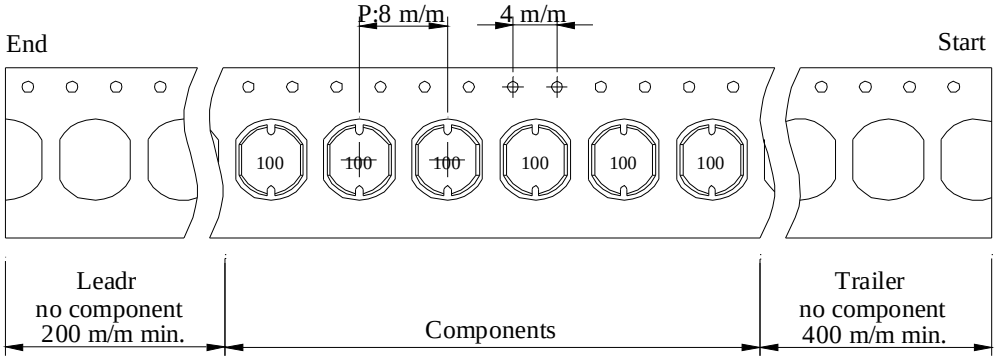
PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SR0302□□□□L□-□□□
		ABC'S ITEM NO.	

Ⅶ．PACKAGING INFORMATION：

(1) Configuration



※Carrier tape width : D



User direction of feed

(2) Dimensions

Unit:m/m

Style	A	B	C	D	G	N	T
13 - 12	330	21±0.8	13±0.5	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)
SR0302	2,000	600	13 - 12	16,000	2.5	42 x 41 x 24
SR0302	1,500	450	13 - 12	12,000	1.9	42 x 41 x 24

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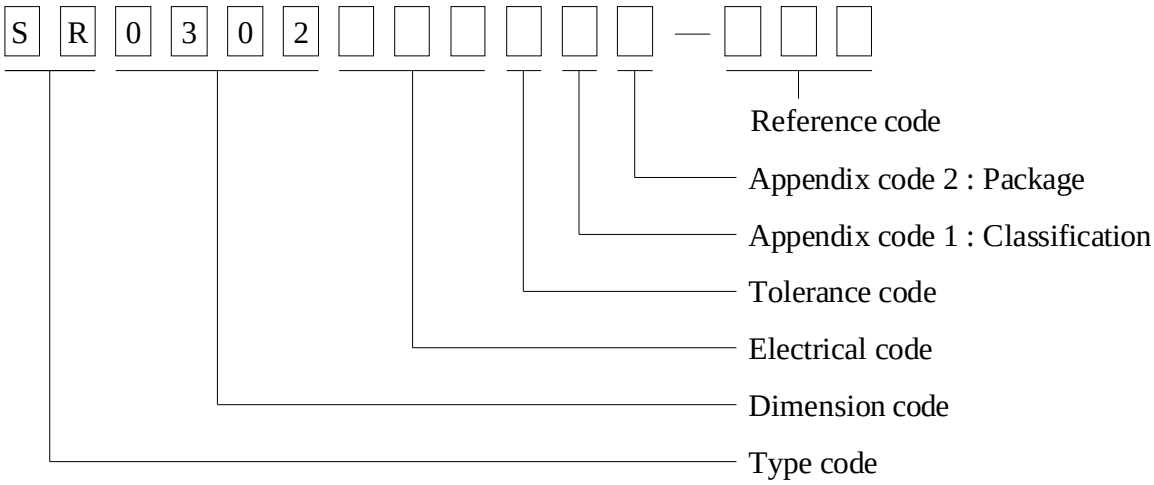
PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SR0302□□□□L□-□□□
		ABC'S ITEM NO.	

Ⅷ．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 QTY	Remark
A	T.B.D.	T.B.D.	
B	T / R (Reel package)	2000 pcs	
C	T / R (Reel package)	1500 pcs	

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		ABC'S ITEM NO.	

Ⅸ．RELIABILITY TEST：

Test item	Specification	Test condition
Solderability	More than 95% of the terminal electrode Shall be covered With fresh solder.	Preheat : 155℃ / 4 hours. Solder : Sn96.5 / Ag3 / Cu0.5 or equivalent Solder temp. : 235±5℃ Flux : Rosin Dip time : 5±0.5 seconds
Thermal shock test (Temp. cycle)	Electrical oharacteristics shall not change more than ±20%	Room temp. / 15 minutes → -40 ℃ / 30 minutes Room temp. / 15 minutes → +125 ℃ / 30 minutes Total : 50 cycles
Humidity test		Temperature : 40±2℃ Humidity : 90±5% Time : 1000 hours
High temp. Resistance test		Temperature : 125±5℃ Applied current : Per spec. Time : 96 hours

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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SR0302□□□□L□-□□□
		ABC'S ITEM NO.	

X . UL CARD：

OBMW2 October 06, 2005

Magnet Wire-Comporent

ELEKTRISOLA (MALAYSLA) SDN BHD E143312
JALAN DAMAI SATU JANDA BAIK 28750 BENTONG, PAHANG
DARUL MAKMUR MALAYSIA

		Coating Type		ANSI	Temp
Mtl Dsg	Mark Dsg	BC	OC	Typ	Class
Estersol 180	E180	Polyesterimide (solderable)	——	MW-77	180
Amldester 200	A200	Polyesterimide	——	MW-74	200
Polysol-N 155	PN155	Polyurechane	Nylon	MW-80,	155,
				MW-28	130
Polysol 155	P155, G155	Polyurechane	——	MW-79,	155,
				MW-75	130
Polysol 155g	Pg155	Polyurechane	——	MW-75	130
Polysol 155p	Pp155,Gp155	Polyurechane	——	MW-79	155
Polysol 160	P160	Polyurechane	——	MW-79	155
Polysol 180	P180,G180	Polyurechane	——	MW-82	180
				MW-79	155
Polysol 170	P170 or G170	Polyurechane	——	MW-79	155
Polysol-N 180	PN180	Polyurechane	Nylon	MW-83	180
Polysol P155p	P155p		——	MW-79	155

Marking：Company name, material 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.