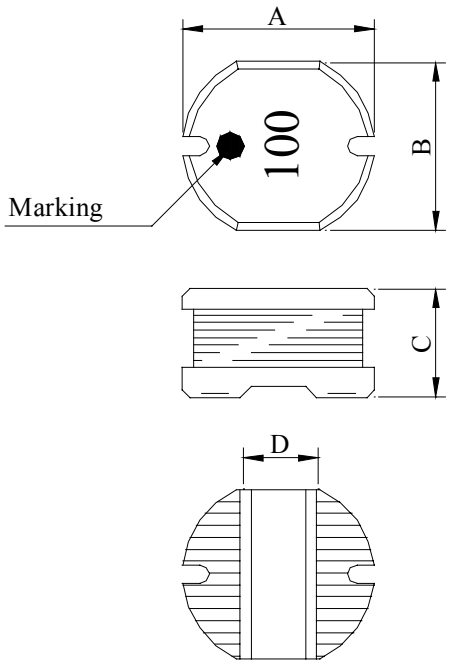
SPECIFICATION FOR APPROVAL

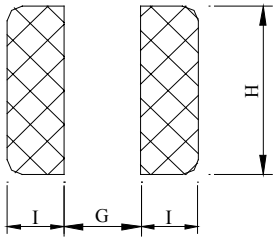
REF :

PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SR0403□□□□L□
		ABC'S ITEM NO.	

Ⅰ．CONFIGURATION & DIMENSIONS：

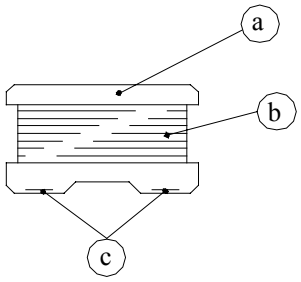


A	:	4.5±0.3	m/m
B	:	4.0±0.3	m/m
C	:	3.2±0.3	m/m
D	:	1.5 typ.	m/m
G	:	1.5 ref.	m/m
H	:	4.5 ref.	m/m
I	:	1.8 ref.	m/m



(PCB Pattern)

Ⅱ．SCHEMATIC DIAGRAM：



Ⅲ．MATERIALS：

a．Core：Ferrite DR core

b．Wire ：Enamelled copper wire (class F)

c．Terminal： Ag /Ni/Sn

d．Remark：Lead content 200ppm max.
include ferrite

Ⅳ．GENERAL SPECIFICATION：

a．Temp. rise ：40℃ max.

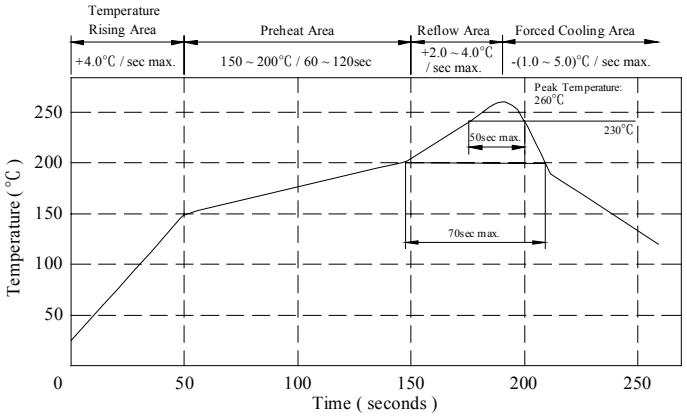
b．Rated current：Base on temp. rise
& △L / LOA=10% max.

c．Storage temp.：-40℃ ----+125℃

d．Operating temp.：-40℃----+105℃

e．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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ABC ELECTRONICS GROUP.

SPECIFICATION FOR APPROVAL

PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SR0403□□□□L□
		ABC'S ITEM NO.	

Ⅴ．ELECTRICAL CHARACTERISTICS：

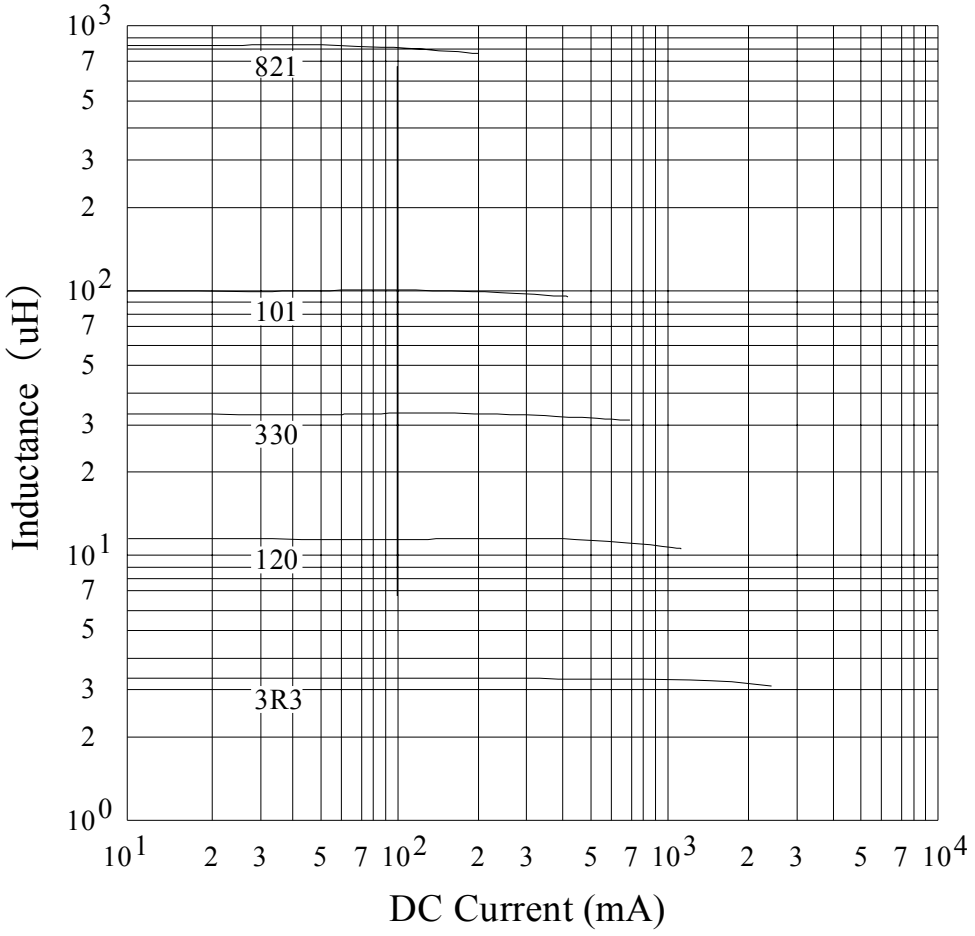
DWG No.	Inductance (μH)	Q ref.	Test Freq. (Hz)		RDC (Ω) max.	IDC (A) max.
			L	Q		
SR04031R0ML□	1.0±20%	28	1K	7.960M	0.033	3.800
SR04031R4ML□	1.4±20%	28	1K	7.960M	0.038	3.300
SR04031R8ML□	1.8±20%	28	1K	7.960M	0.042	2.910
SR04032R2ML□	2.2±20%	28	1K	7.960M	0.047	2.600
SR04032R7ML□	2.7±20%	28	1K	7.960M	0.052	2.430
SR04033R3ML□	3.3±20%	28	1K	7.960M	0.058	2.150
SR04033R9ML□	3.9±20%	28	1K	7.960M	0.076	1.980
SR04034R7ML□	4.7±20%	28	1K	7.960M	0.094	1.700
SR04035R6ML□	5.6±20%	28	1K	7.960M	0.101	1.600
SR04036R8ML□	6.8±20%	28	1K	7.960M	0.117	1.410
SR04038R2ML□	8.2±20%	28	1K	7.960M	0.132	1.260
SR0403100ML□	10.0±20%	28	1K	2.520M	0.182	1.150
SR0403120ML□	12.0±20%	28	1K	2.520M	0.210	1.050
SR0403150ML□	15.0±20%	28	1K	2.520M	0.235	0.920
SR0403180ML□	18.0±20%	25	1K	2.520M	0.338	0.840
SR0403220ML□	22.0±20%	25	1K	2.520M	0.378	0.760
SR0403270ML□	27.0±20%	20	1K	2.520M	0.522	0.710
SR0403330KL□	33.0±10%	20	1K	2.520M	0.540	0.640
SR0403390KL□	39.0±10%	20	1K	2.520M	0.587	0.590
SR0403470KL□	47.0±10%	20	1K	2.520M	0.844	0.540
SR0403560KL□	56.0±10%	20	1K	2.520M	0.937	0.500
SR0403680KL□	68.0±10%	20	1K	2.520M	1.117	0.460
SR0403820KL□	82.0±10%	25	1K	2.520M	1.270	0.420
SR0403101KL□	100.0±10%	35	1K	0.796M	1.900	0.350
SR0403121KL□	120.0±10%	50	1K	0.796M	2.200	0.320
SR0403151KL□	150.0±10%	50	1K	0.796M	3.400	0.260
SR0403181KL□	180.0±10%	50	1K	0.796M	3.900	0.240
SR0403221KL□	220.0±10%	50	1K	0.796M	4.400	0.220
SR0403271KL□	270.0±10%	45	1K	0.796M	5.000	0.200
SR0403331KL□	330.0±10%	40	1K	0.796M	6.000	0.170
SR0403391KL□	390.0±10%	40	1K	0.796M	6.400	0.150
SR0403471KL□	470.0±10%	50	1K	0.796M	7.000	0.130
SR0403561KL□	560.0±10%	50	1K	0.796M	7.800	0.120
SR0403681KL□	680.0±10%	40	1K	0.796M	8.600	0.110
SR0403821KL□	820.0±10%	38	1K	0.796M	12.000	0.100
SR0403102KL□	1000.0±10%	38	1K	0.252M	14.000	0.090

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

SPECIFICATION FOR APPROVAL

PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SR0403□□□□L□
		ABC'S ITEM NO.	

Ⅵ．INDUCTANCE VS. DC CURRENT CURVE：



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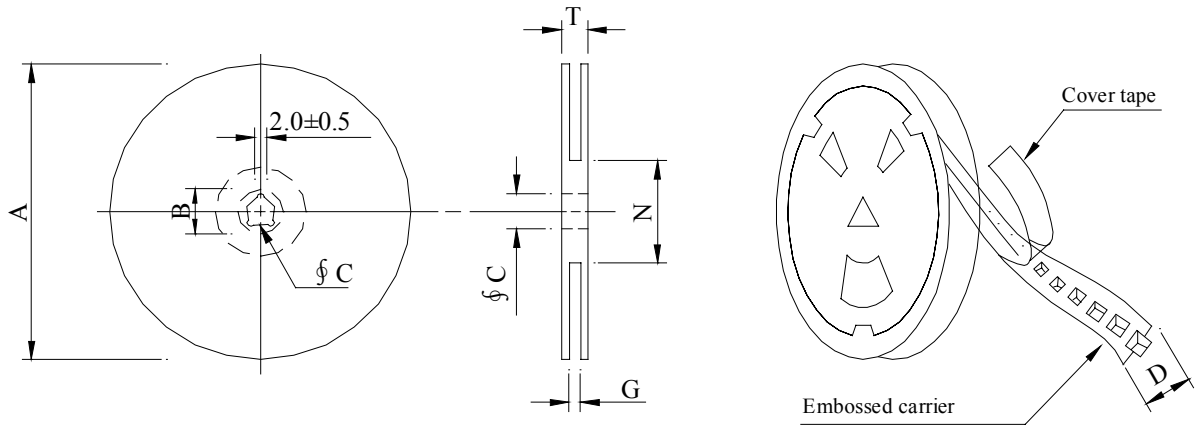
SPECIFICATION FOR APPROVAL

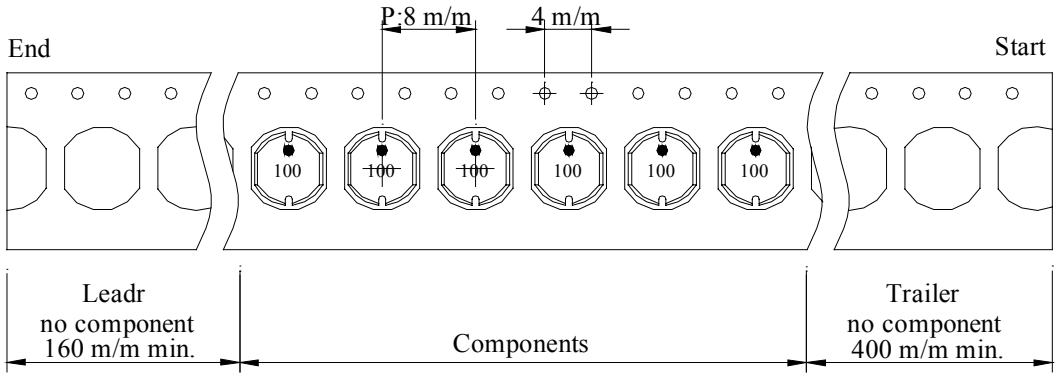
PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SR0403□□□□L□
		ABC'S ITEM NO.	

Ⅶ．PACKAGING INFORMATION：

(1) Configuration



※Carrier tape width : D



(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)
SR0403	2000	1100	13 - 12	16,000	11.9	40 x 40 x 24

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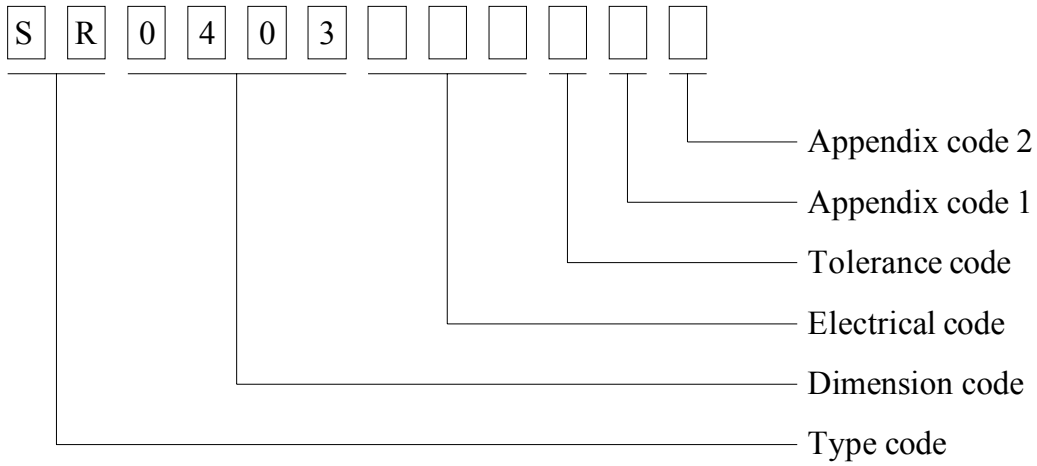
PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SR0403□□□□L□
		ABC'S ITEM NO.	

Ⅷ．DWG EXPRESSION：



Appendix code 1：S：Standard products

A K, M R, T Z：Special products

L：Standard Lead Free products

1 ~ 9：Special Lead Free products

Appendix code 2：

Code	Inner package	Inner package Q'TY	Remark
A	Empty	Empty	
B	T / R (Reel package)	2,000 pcs	

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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SR0403□□□□L□
		ABC'S ITEM NO.	

Ⅸ . RELIABILITY TEST :

Test item	Specification	Test condition
Solderability	More than 90% of the terminal electrode Shall be covered With fresh solder.	Preheat : 150±25°C for 60 seconds Solder : Sn96.5 / Ag3 / Cu0.5 or equivalent Solder temp. : 235±5°C 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 °C 30 minutes Room temp. 15 minutes → 85±2 °C 30 minutes Total : 50 cycles
Humidity Resistance test		Temperature : 40±2°C Humidity : 90 ~ 95% Applied current : Per spec. Time : 500 hours
High temp. Resistance test		Temperature : 105±2°C Applied current : Per spec. Time : 500 hours

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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SR0403□□□□L□
		ABC'S ITEM NO.	

X . 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	Coat Typ 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	Coat Typ 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

@-May be suffixed by LZ; # - May be suffixed by LZ, EL or LZI.
LZ - Signifies magned 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