

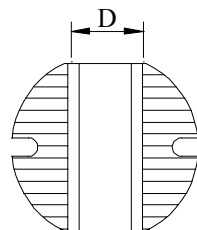
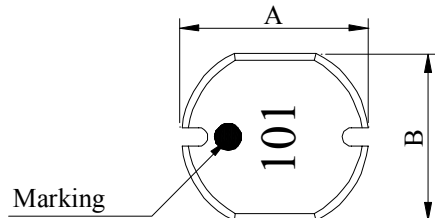
SPECIFICATION FOR APPROVAL

REF :

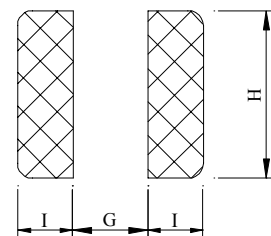
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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SR0502□□□□L□-□□□
		ABC'S ITEM NO.	

CONFIGURATION & DIMENSIONS :

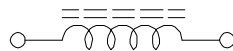


A	:	5.0±0.30	m/m
B	:	4.5±0.30	m/m
C	:	2.0±0.15	m/m
D	:	2.0 ref.	m/m
G	:	1.9 ref.	m/m
H	:	5.0 ref.	m/m
I	:	1.8 ref.	m/m



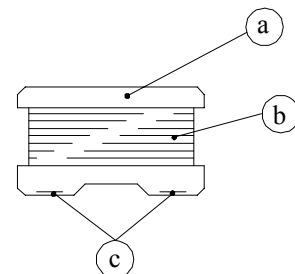
(PCB Pattern)

SCHEMATIC DIAGRAM :



MATERIALS :

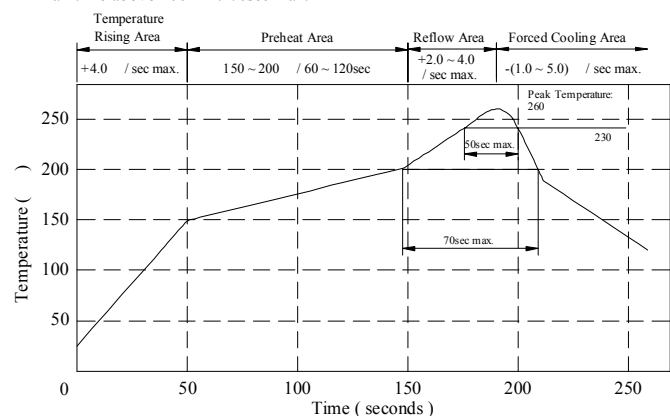
- a . Core : Ferrite DR core
- b . Wire : Enamelled copper wire (class F)
- c . Terminal : Ag/Ni/Sn
- d . Remark : Products comply with RoHS' requirements



GENERAL SPECIFICATION :

- a . Temp. rise : 20 max.
- b . Rated current : Base on temp. rise
& L / LOA=10% typ.
- 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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NAME		ABC'S ITEM NO.	

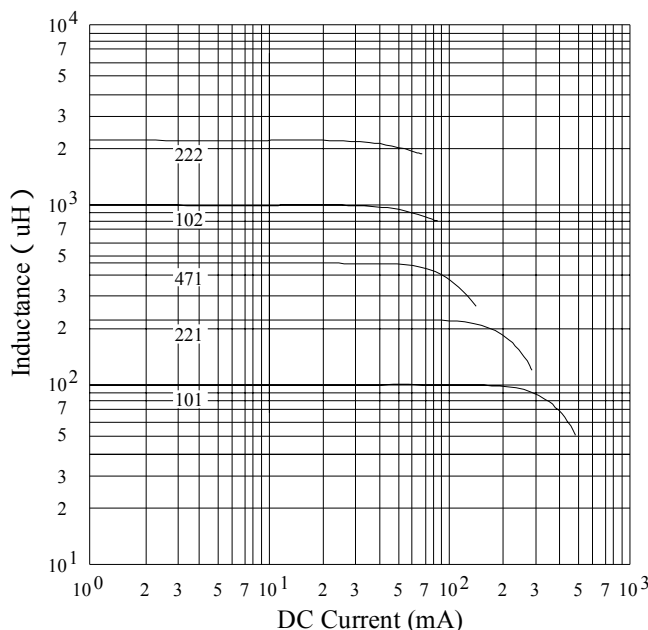
. ELECTRICAL CHARACTERISTICS :

DWG No.	Inductance (μ H)	Q ref.	Test Freq. (Hz)		RDC (Ω) max.	Irms (mA)max. T=20	Isat (mA)typ. L/L0A=10%
			L	Q			
SR0502101ML□-□□□	100.0 $\pm$ 20%	20	100K/0.1V	796K	1.5	270	265
SR0502121ML□-□□□	120.0 $\pm$ 20%	27	100K/0.1V	796K	1.7	252	245
SR0502151ML□-□□□	150.0 $\pm$ 20%	28	100K/0.1V	796K	2.2	237	232
SR0502181ML□-□□□	180.0 $\pm$ 20%	25	100K/0.1V	796K	2.5	220	215
SR0502221ML□-□□□	220.0 $\pm$ 20%	32	100K/0.1V	796K	3.2	204	200
SR0502271ML□-□□□	270.0 $\pm$ 20%	30	100K/0.1V	796K	3.9	190	182
SR0502331ML□-□□□	330.0 $\pm$ 20%	40	100K/0.1V	796K	5.0	174	165
SR0502391ML□-□□□	390.0 $\pm$ 20%	40	100K/0.1V	796K	5.4	156	148
SR0502471ML□-□□□	470.0 $\pm$ 20%	32	100K/0.1V	796K	6.5	140	130
SR0502561ML□-□□□	560.0 $\pm$ 20%	45	100K/0.1V	796K	8.8	125	120
SR0502681ML□-□□□	680.0 $\pm$ 20%	40	100K/0.1V	796K	10.5	110	105
SR0502821ML□-□□□	820.0 $\pm$ 20%	35	100K/0.1V	796K	12.0	97	95
SR0502102ML□-□□□	1000.0 $\pm$ 20%	42	100K/0.1V	252K	16.0	85	85
SR0502122ML□-□□□	1200.0 $\pm$ 20%	44	100K/0.1V	252K	18.5	76	80
SR0502152ML□-□□□	1500.0 $\pm$ 20%	40	100K/0.1V	252K	22.0	70	72
SR0502182ML□-□□□	1800.0 $\pm$ 20%	40	100K/0.1V	252K	28.5	65	68
SR0502222ML□-□□□	2200.0 $\pm$ 20%	40	100K/0.1V	252K	34.5	60	62
SR0502272ML□-□□□	2700.0 $\pm$ 20%	40	100K/0.1V	252K	40.0	53	55

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

2). "- □□□":Reference code

@ Inductance VS. DC Current curve



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ABC ELECTRONICS GROUP.

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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SR0502□□□□L□-□□□
		ABC'S ITEM NO.	

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±0.5	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)
SR0502	800	416	07 - 12	32,000	16.6	42 x 41 x 24

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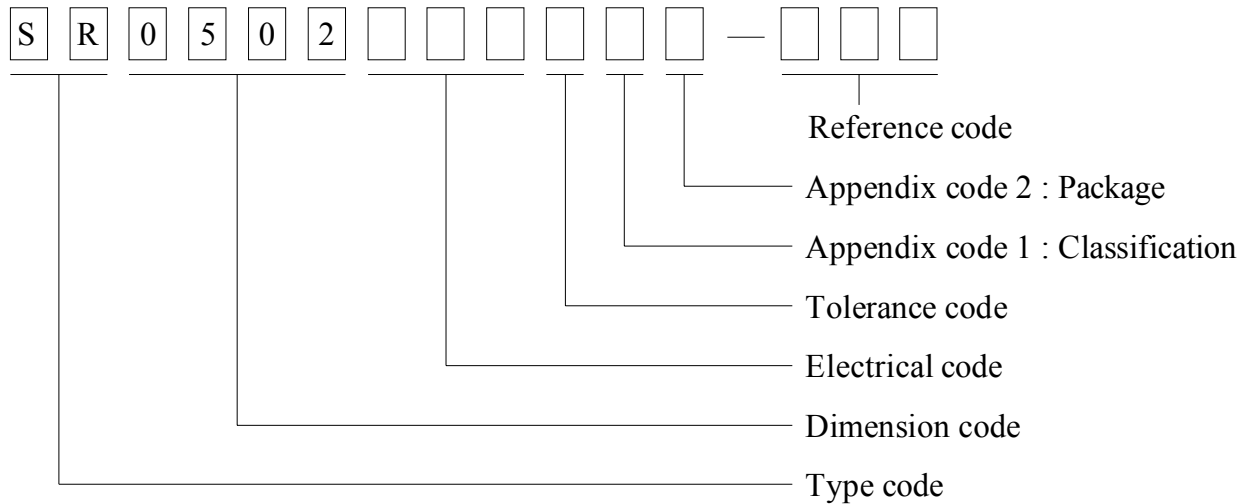
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		ABC'S ITEM NO.	

. 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)	800 pcs	

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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO. ABC'S ITEM NO.	SR0502□□□□L□-□□□
. 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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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SR0502□□□□L□-□□□
		ABC'S ITEM NO.	

. 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	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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committed to quality service

Mtl Dsg	Mark Dsg	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 LZL
LZ - Signifies magnd wires twisted together; EL - signifies base coated magnet wire laid parallel with top coat applied overall; LZL - signi-
fies 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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OBMW2E174837
September 8 , 2000

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