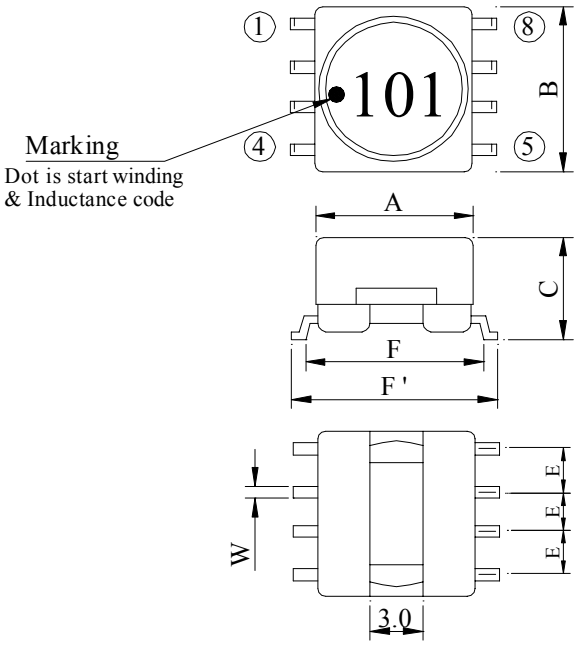
SPECIFICATION FOR APPROVAL

REF : PAGE: 1

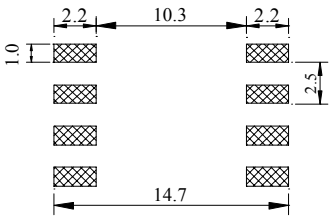
PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO.	SS0908□□□□L□-□□□
		ABC'S ITEM NO.	

Ⅰ．CONFIGURATION & DIMENSIONS：

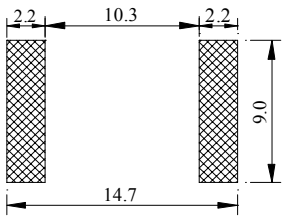


A	:	9.5±0.3	m/m
B	:	10.5 max.	m/m
C	:	7.5±0.3	m/m
E	:	2.5±0.3	m/m
F	:	11.0±0.5	m/m
F'	:	12.7±0.8	m/m
W	:	0.6 typ.	m/m

· SDS0908-101Y ~ 153Y



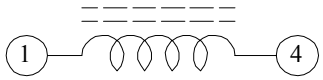
· SDS0908-1R5M ~ 820M



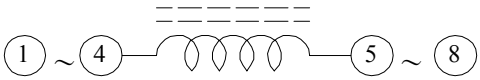
(PCB Pattern)

Ⅱ．SCHEMATIC DIAGRAM：

.SDS0908-101Y ~ 153Y

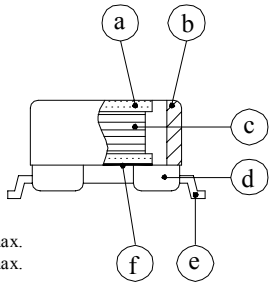


.SDS0908-1R5M ~ 820M

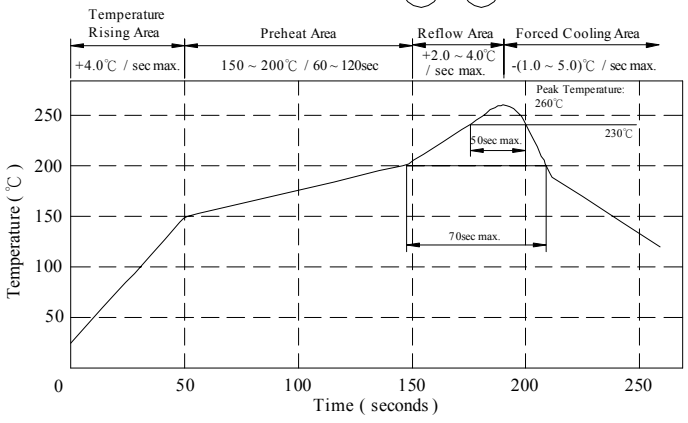


Ⅲ．MATERIALS：

a．Core：Ferrite DR core
b．Core：Ferrite RI core
c．Wire ：Enamelled copper wire (class F)
d．Base：LCP
e．Terminal：Cu/Ni/Sn
f．Adhesive：Epoxy resin
g．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．Rated current ：Base on temp. rise
& △L / LOA=10% max.
c．Storage temp.：-40℃ ----+125℃
d．Operating temp.：-40℃----+105℃
e．Resisance to solder heat：260℃．10 secs.

千如電子集團
ABC ELECTRONICS GROUP.

SPECIFICATION FOR APPROVAL

PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO.	SS0908□□□□L□-□□□
		ABC'S ITEM NO.	

V . ELECTRICAL CHARACTERISTICS :

DWG No.	Inductance (μH)	Q nom.	Test Freq. (Hz)		SRF (MHz) nom.	RDC (Ω) max	IDC (mA) max
			L	Q			
SS09081R5ML□-□□□	1.50±20%	20	1K	7.960M	65.00	0.014	5600
SS09082R7ML□-□□□	2.70±20%	20	1K	7.960M	50.00	0.019	4800
SS09083R9ML□-□□□	3.90±20%	20	1K	7.960M	35.00	0.021	4400
SS09085R6ML□-□□□	5.60±20%	18	1K	7.960M	25.00	0.027	3800
SS09087R5ML□-□□□	7.50±20%	18	1K	7.960M	15.00	0.032	3400
SS0908100ML□-□□□	10.00±20%	33	1K	2.520M	11.00	0.040	3000
SS0908120ML□-□□□	12.00±20%	40	1K	2.520M	11.00	0.050	2500
SS0908150ML□-□□□	15.00±20%	45	1K	2.520M	8.50	0.065	2200
SS0908180ML□-□□□	18.00±20%	40	1K	2.520M	8.50	0.075	2000
SS0908220ML□-□□□	22.00±20%	35	1K	2.520M	6.00	0.080	1900
SS0908270ML□-□□□	27.00±20%	45	1K	2.520M	6.00	0.090	1800
SS0908330ML□-□□□	33.00±20%	40	1K	2.520M	5.00	0.100	1700
SS0908390ML□-□□□	39.00±20%	45	1K	2.520M	5.00	0.135	1500
SS0908470ML□-□□□	47.00±20%	40	1K	2.520M	4.00	0.150	1400
SS0908560ML□-□□□	56.00±20%	35	1K	2.520M	3.00	0.165	1350
SS0908680ML□-□□□	68.00±20%	30	1K	2.520M	2.50	0.184	1250
SS0908820ML□-□□□	82.00±20%	30	1K	2.520M	2.40	0.260	1050
SS0908101YL□-□□□	100.00±15%	40	1K	0.796M	6.00	0.280	1000
SS0908121YL□-□□□	120.00±15%	42	1K	0.796M	5.70	0.340	900
SS0908151YL□-□□□	150.00±15%	45	1K	0.796M	4.60	0.450	800
SS0908181YL□-□□□	180.00±15%	35	1K	0.796M	4.20	0.500	700
SS0908221YL□-□□□	220.00±15%	35	1K	0.796M	3.80	0.600	650
SS0908271YL□-□□□	270.00±15%	30	1K	0.796M	3.40	0.700	600
SS0908331YL□-□□□	330.00±15%	30	1K	0.796M	3.00	0.800	550
SS0908391YL□-□□□	390.00±15%	33	1K	0.796M	2.60	1.000	500
SS0908471YL□-□□□	470.00±15%	30	1K	0.796M	2.30	1.150	450
SS0908561YL□-□□□	560.00±15%	35	1K	0.796M	2.20	1.500	380
SS0908681YL□-□□□	680.00±15%	30	1K	0.796M	2.00	1.700	350
SS0908821YL□-□□□	820.00±15%	35	1K	0.796M	1.90	2.200	320
SS0908102YL□-□□□	1000.00±15%	85	1K	0.252M	1.80	2.500	300
SS0908152YL□-□□□	1500.00±15%	120	1K	0.252M	1.30	4.000	250
SS0908222YL□-□□□	2200.00±15%	95	1K	0.252M	1.00	5.000	200
SS0908332YL□-□□□	3300.00±15%	95	1K	0.252M	0.90	8.000	150
SS0908472YL□-□□□	4700.00±15%	90	1K	0.252M	0.80	12.000	120
SS0908682YL□-□□□	6800.00±15%	90	1K	0.252M	0.60	16.500	100
SS0908822YL□-□□□	8200.00±15%	85	1K	0.252M	0.50	24.000	97
SS0908103YL□-□□□	10000.00±15%	110	1K	79.60K	0.50	26.000	95
SS0908153YL□-□□□	15000.00±15%	130	1K	79.60K	0.40	40.000	75

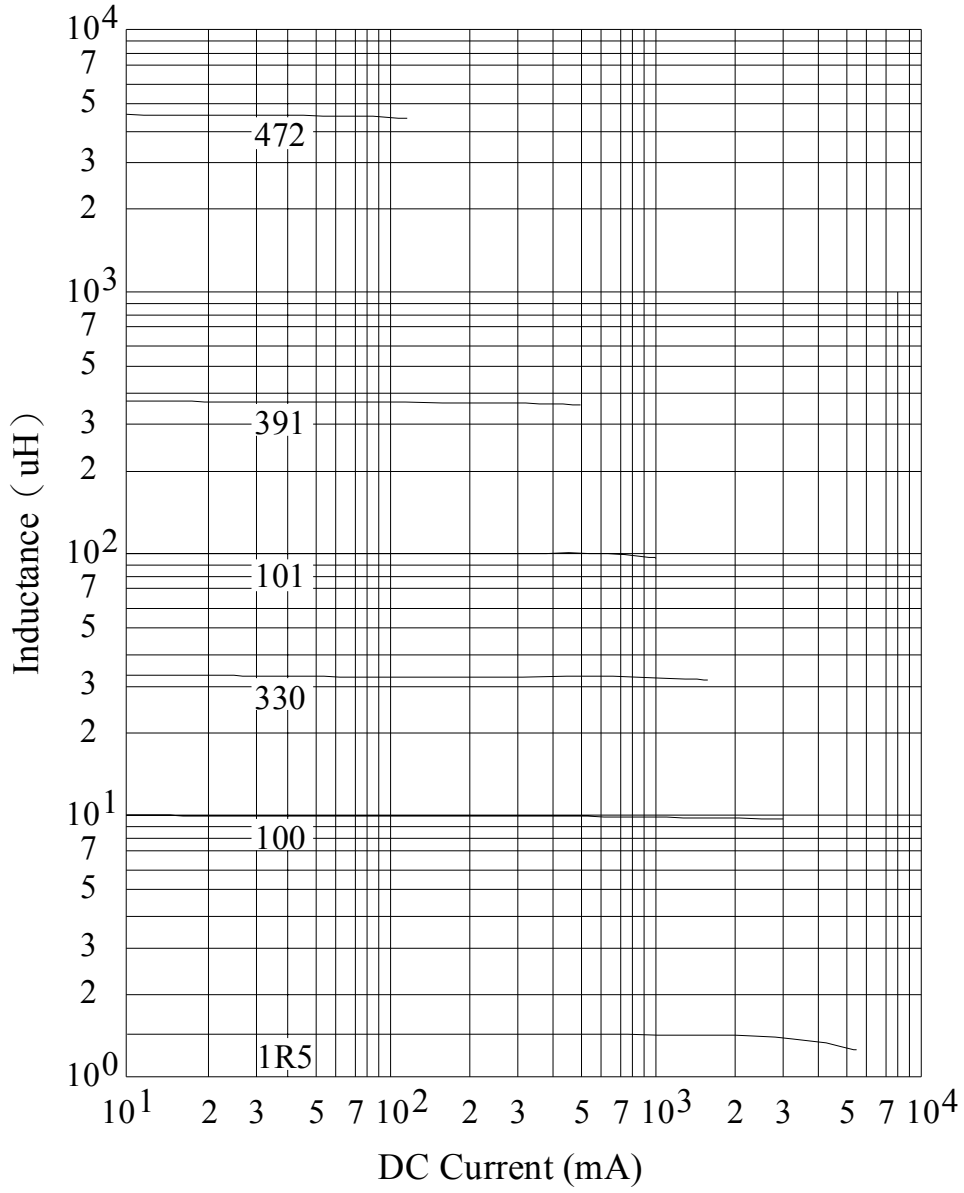
1). □ : Packaging information… A : Bulk B : Taping Reel

2)."-□□□":Reference code

SPECIFICATION FOR APPROVAL

PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO.	SS0908□□□□L□-□□□
		ABC'S ITEM NO.	

Ⅵ．INDUCTANCE VS. DC CURRENT CURVE：

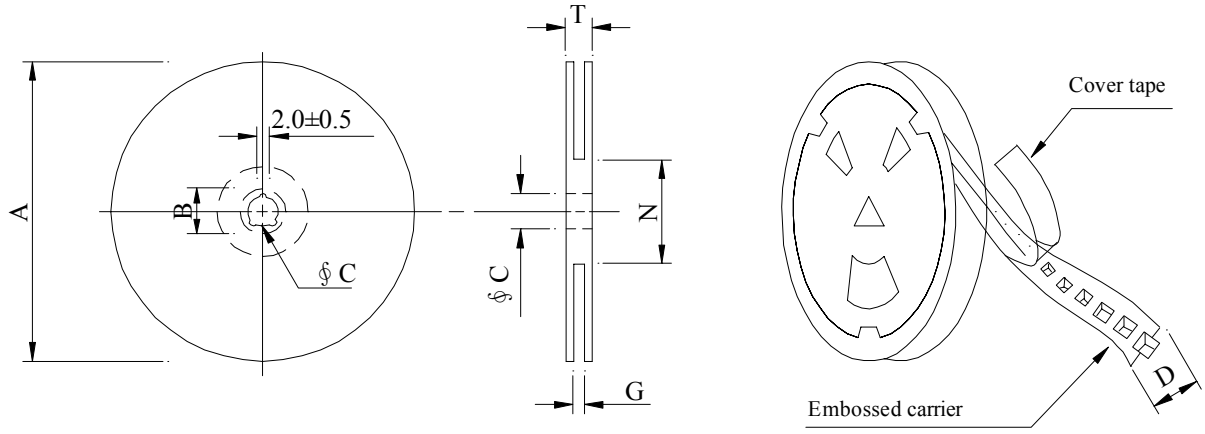


SPECIFICATION FOR APPROVAL

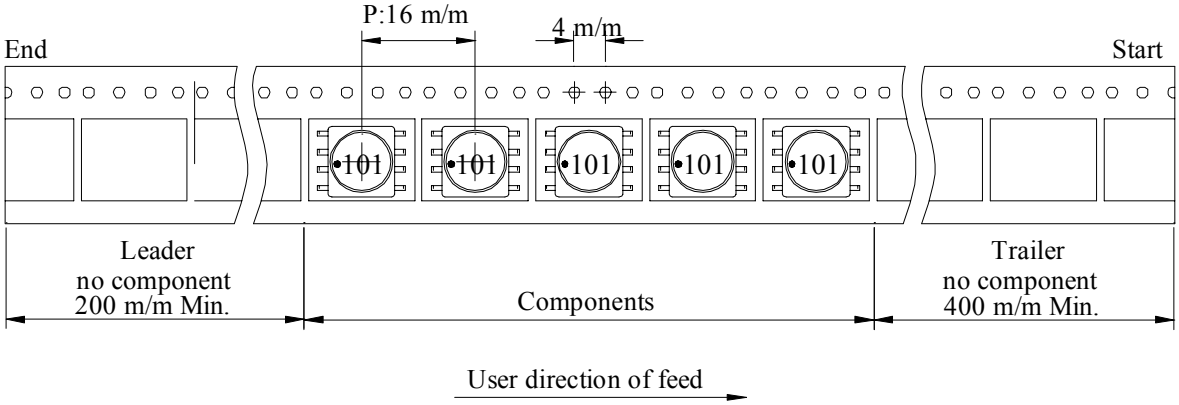
PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO.	SS0908□□□□L□-□□□
		ABC'S ITEM NO.	

Ⅶ．PACKAGING INFORMATION：

(1) Configuration



※Carrier tape width : D



(2) Dimensions

Unit:m/m

Style	A	B	C	D	G	N	T
13 - 24	330	21±0.8	13	24	26^{+0}	50^{-0}	30.4

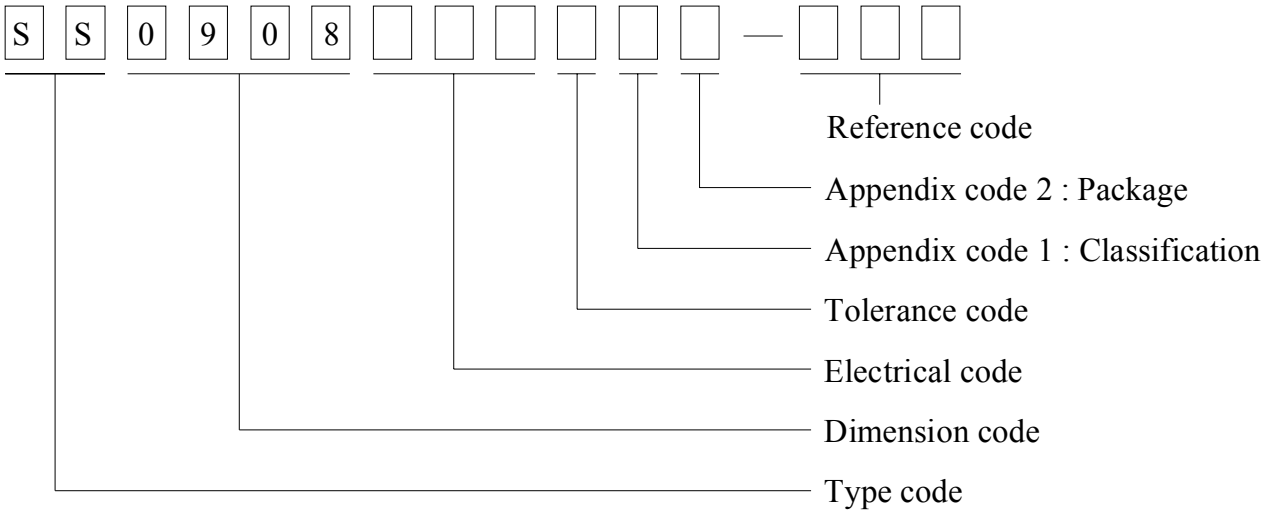
(3) Q'TY & G.W. Per package

Series	Inner : Reel			Outer : Carton		
	Q'TY (pcs)	G.W. (gw)	Style	Q'TY (pcs)	G.W. (Kg)	Size (cm)
SS0908	400	1,600	13 - 24	1,600	8.6	40 x 40 x 24

SPECIFICATION FOR APPROVAL

PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO.	SS0908□□□□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 Q'TY	Remark
A	T.B.D.	T.B.D.	
B	T / R (Reel package)	400 pcs	

SPECIFICATION FOR APPROVAL

PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO.	SS0908□□□□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℃ 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

SPECIFICATION FOR APPROVAL

PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO.	SS0908□□□□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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A not-for-profit organization dedicated to public safety and committed to quality service

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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OBMW2/E174837
September 8 , 2000