

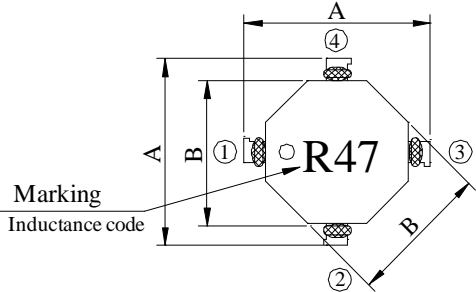
SPECIFICATION FOR APPROVAL

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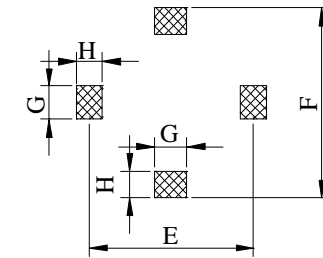
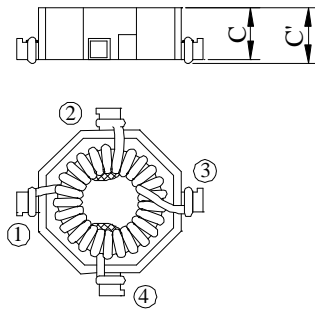
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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SF1506□□□□L□-□□□
		ABC'S ITEM NO.	

I . CONFIGURATION & DIMENSIONS :

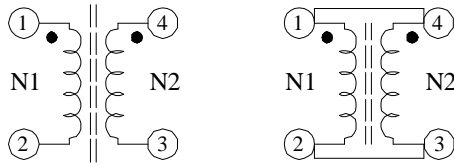


A :	14.00 ±0.3	m/m
B :	11.20 ±0.3	m/m
C :	6.10 ±0.3	m/m
C' :	7.20 max.	m/m
E :	12.50 ref.	m/m
F :	15.50 ref.	m/m
G :	4.06 ref.	m/m
H :	3.05 ref.	m/m



(PCB Pattern)

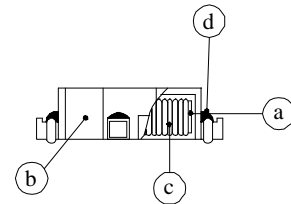
II . SCHEMATIC DIAGRAM :



TRANSFORMERS
" ● " : Polarity

PARALLEL

SERIES



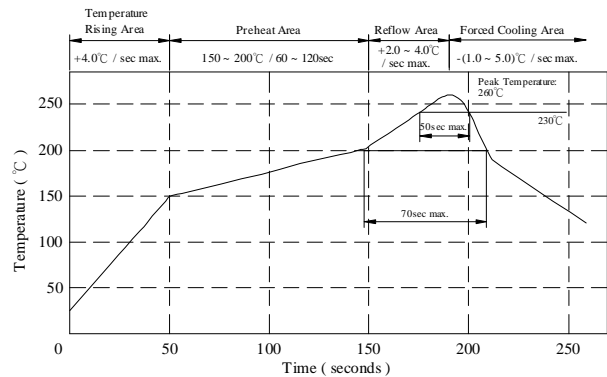
III . MATERIALS :

- a . Core : Ferrite core
- b . Case : CPJ-8800
- c . Wire : Enamelled copper wire (class F & H)
- d . Adhesive : Epoxy resin
- e . Varnish : FS1320
- f . Remark : Products comply with RoHS' requirements

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

IV . ENVIRONMENTAL SPECIFICATION :

- a . Storage temp. : -40°C ----+105°C
- b . Operating ambient temp. : -40°C ----+105°C
- c . Resistance to solder heat : 260°C . 10 secs.



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V . ELECTRICAL CHARCTERISTICS :

DWG No.	Open Circuit Inductance μH		Full Load Current Adc max.		DC Resistance (mΩ) max.	
	PARALLEL	SERIES	PARALLEL	SERIES	PARALLEL	SERIES
SF1506R47YL□-□□□	0.47±30%	1.88±30%	7.90	3.95	5	20
SF1506R68YL□-□□□	0.68±30%	2.72±30%	7.20	3.60	6	24
SF15061R0ML□-□□□	1.00±20%	4.00±20%	5.90	2.95	8	32
SF15062R0ML□-□□□	2.00±20%	8.00±20%	4.60	2.30	14	56
SF15065R0ML□-□□□	5.00±20%	20.00±20%	3.30	1.65	27	108
SF15068R0ML□-□□□	8.00±20%	32.00±20%	3.00	1.50	33	132
SF1506100ML□-□□□	10.00±20%	40.00±20%	2.50	1.25	47	188
SF1506150ML□-□□□	15.00±20%	60.00±20%	2.30	1.15	57	228
SF1506200ML□-□□□	20.00±20%	80.00±20%	1.90	0.95	84	336
SF1506250ML□-□□□	25.00±20%	100.00±20%	1.60	0.80	115	460
SF1506330ML□-□□□	33.00±20%	132.00±20%	1.30	0.65	166	664
SF1506500ML□-□□□	50.00±20%	200.00±20%	1.20	0.60	201	804
SF1506680ML□-□□□	68.00±20%	272.00±20%	1.10	0.55	238	952
SF1506101ML□-□□□	100.00±20%	400.00±20%	0.72	0.36	565	2260
SF1506151ML□-□□□	150.00±20%	600.00±20%	0.64	0.32	696	2784
SF1506201ML□-□□□	200.00±20%	800.00±20%	0.60	0.30	810	3240
SF1506301ML□-□□□	300.00±20%	1200.00±20%	0.54	0.27	1003	4012

- 1). □ : Packaging information ... [A]: Bulk [B] } Taping Reel
- 2). "- □□□ " : Reference code
- 3). Test equipment : Inductance (HP4274A , 0.25V/100KHz)
- 4). IDC : Base on temp. rise 40°C max
& ΔL / LOA=35% typ.

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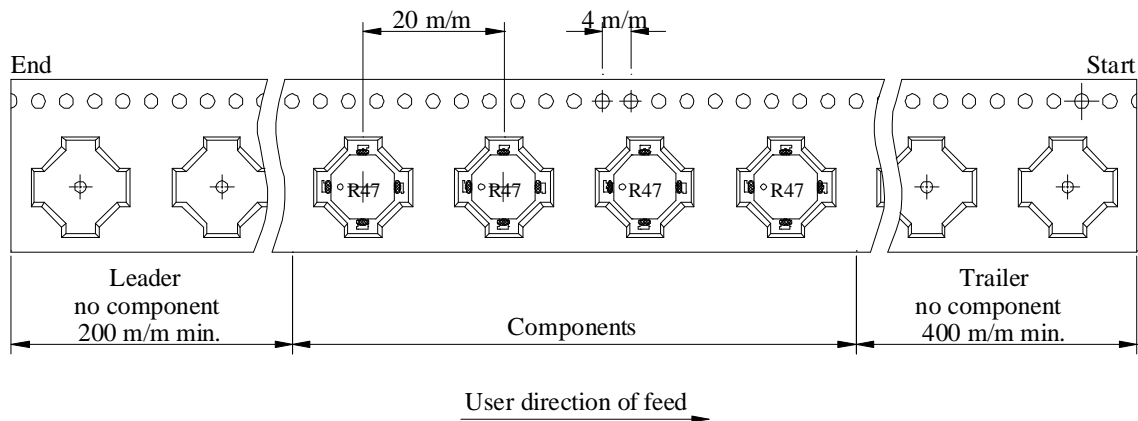
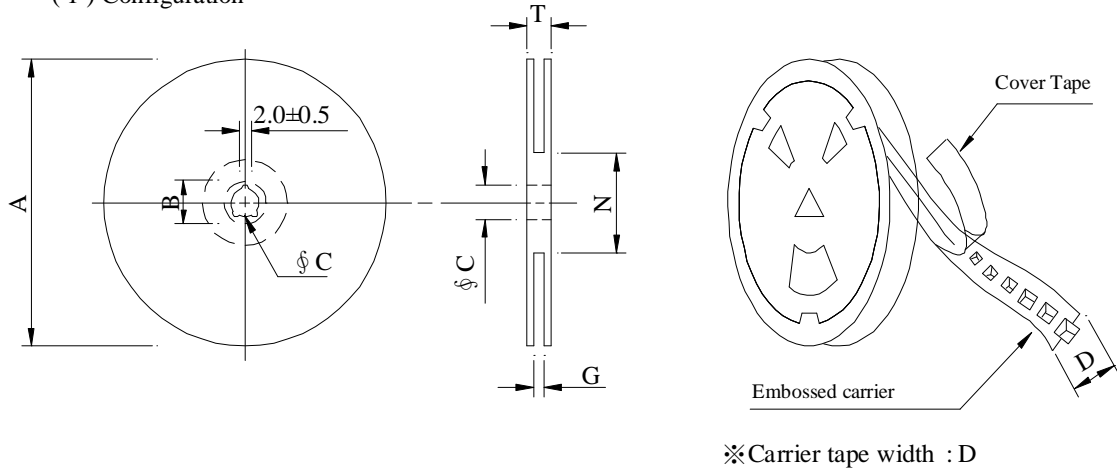
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		ABC'S ITEM NO.	

VI . PACKAGING INFORMATION :

(1) Configuration



(2) Dimensions

Unit:m/m

Style	A	B	C	D	G	N	T
13 - 24	330	21±0.8	13±0.5	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)
SF1506	360	800	13 - 24	1440	4.5	38 x 37 x 22

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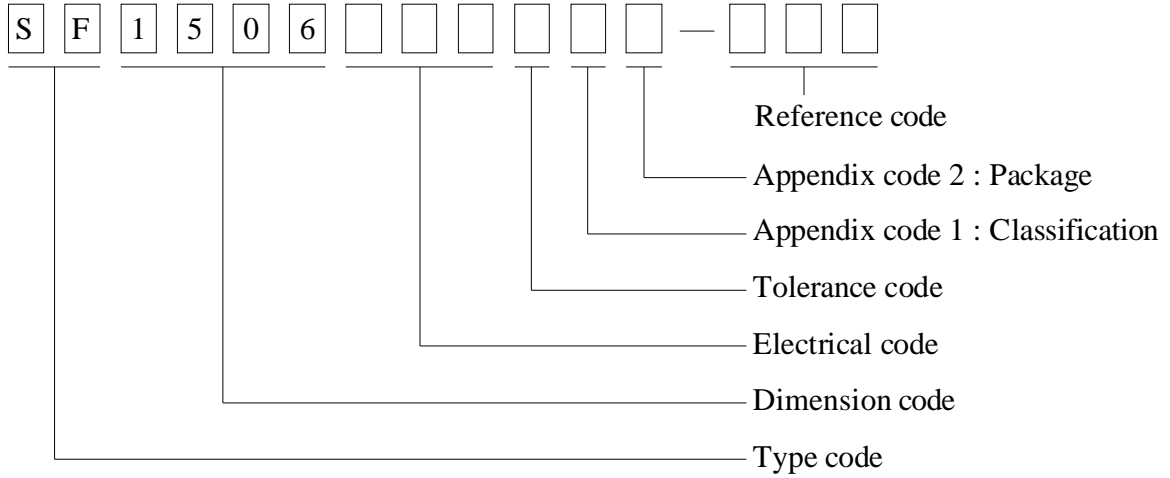
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VII . DWGING NUMBER EXPRESSION :



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)	360 pcs	

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		ABC'S ITEM NO.	

VIII . RELIABILITY TEST :

Test item	Specification	Test condition						
Solderability	More than 95% of the terminal electrode shall be covered With fresh solder.	Preheat : 155°C / 4 hours. Solder : Sn96.5 / Ag3 / Cu0.5 or equivalent Solder temp. : 235±5°C Flux : Rosin Dip time : 5±0.5 seconds						
Thermal shock test (Temp. cycle)	Electrical oharacteristics shall not change more than ±20%	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Room temp. 15 minutes</td> <td style="text-align: center; vertical-align: middle;">→</td> <td style="text-align: center;">-40 °C 30 minutes</td> </tr> <tr> <td style="text-align: center;">Room temp. 15 minutes</td> <td style="text-align: center; vertical-align: middle;">→</td> <td style="text-align: center;">+105 °C 30 minutes</td> </tr> </table> <p>Total : 50 cycles</p>	Room temp. 15 minutes	→	-40 °C 30 minutes	Room temp. 15 minutes	→	+105 °C 30 minutes
Room temp. 15 minutes	→	-40 °C 30 minutes						
Room temp. 15 minutes	→	+105 °C 30 minutes						
Humidity test		Temperature : 40±2°C Humidity : 90±5% Time : 1000 hours						
High temp. Resistance test		Temperature : 105±5°C Applied current : Per spec. Time : 96 hours						

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VIII . 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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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 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 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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		ABC'S ITEM NO.	

OBMW2 October 06, 2005
 Magnet Wire-Component

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

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