

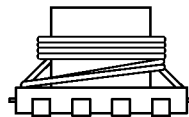
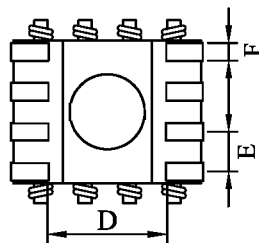
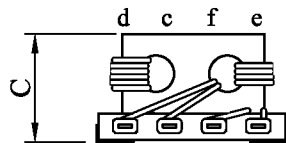
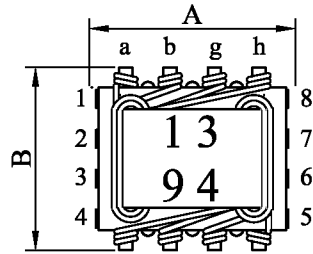
# SPECIFICATION FOR APPROVAL

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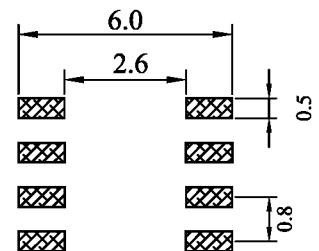
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PROD. NAME	SMD COMMON-MODE CHOKE	ABC'S DWG NO.	SC502513942□-□□□
		ABC'S ITEM NO.	

## I . MECHANICAL DIMENSIONS :

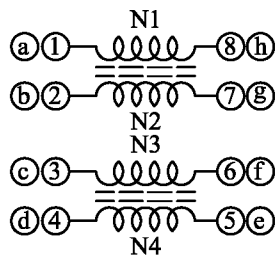


A : 5.00±0.30	m/m
B : 5.00±0.30	m/m
C : 2.50±0.20	m/m
D : 3.20 typ.	m/m
E : 0.80 typ.	m/m
F : 0.40 typ.	m/m

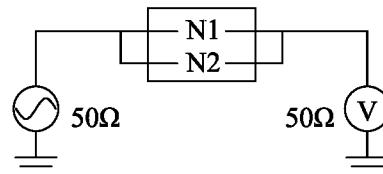


( PCB Pattern )

## II . SCHEMATIC DIAGRAM :

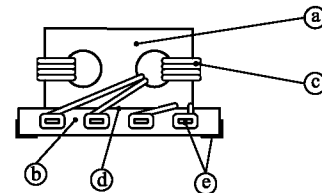


## III . COMMON MODE TEST CIRCUIT :



## IV . MATERIALS :

- a. Core : Ferrite RID core
- b. Base : Phenolic
- c. Wire : Enamelled copper wire ( class F)
- d. Adhesive : Epoxy resin
- e. Terminal : Cu/Ni/Sn
- f. Remark : Products comply with RoHS' requirements



## V . ELECTRICAL CHARACTERISTICS :

Insertion Loss	Freq.	Impedance	RDC (mΩ)
2.5dB±1.0dB	50MHz	180Ω(typ.) at 100MHz	50.0 typ.
8.0dB±1.5dB	100MHz		
13.0dB±2.0dB	300MHz		
15.0dB±2.5dB	500MHz		

# SPECIFICATION FOR APPROVAL

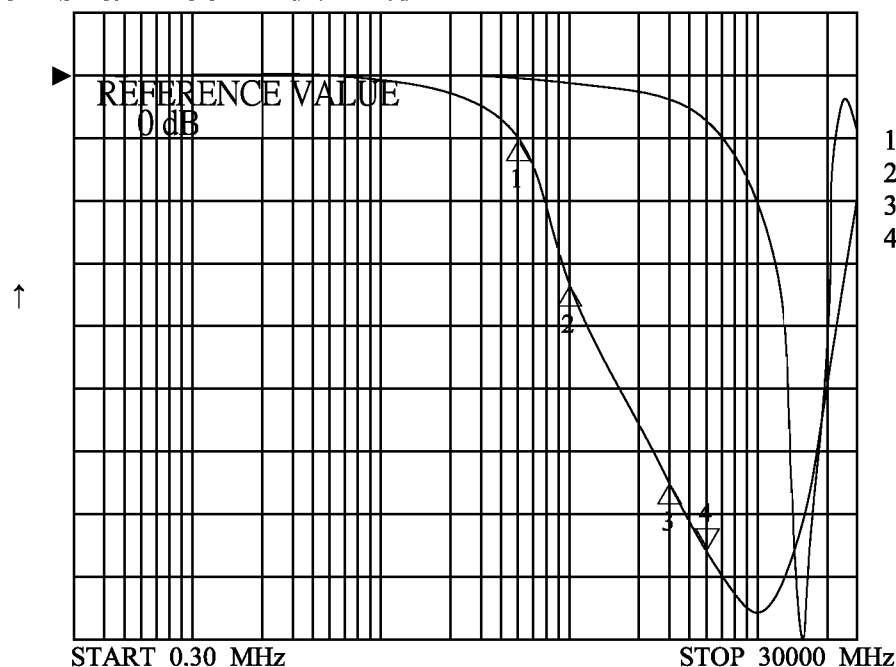
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		ABC'S ITEM NO.	

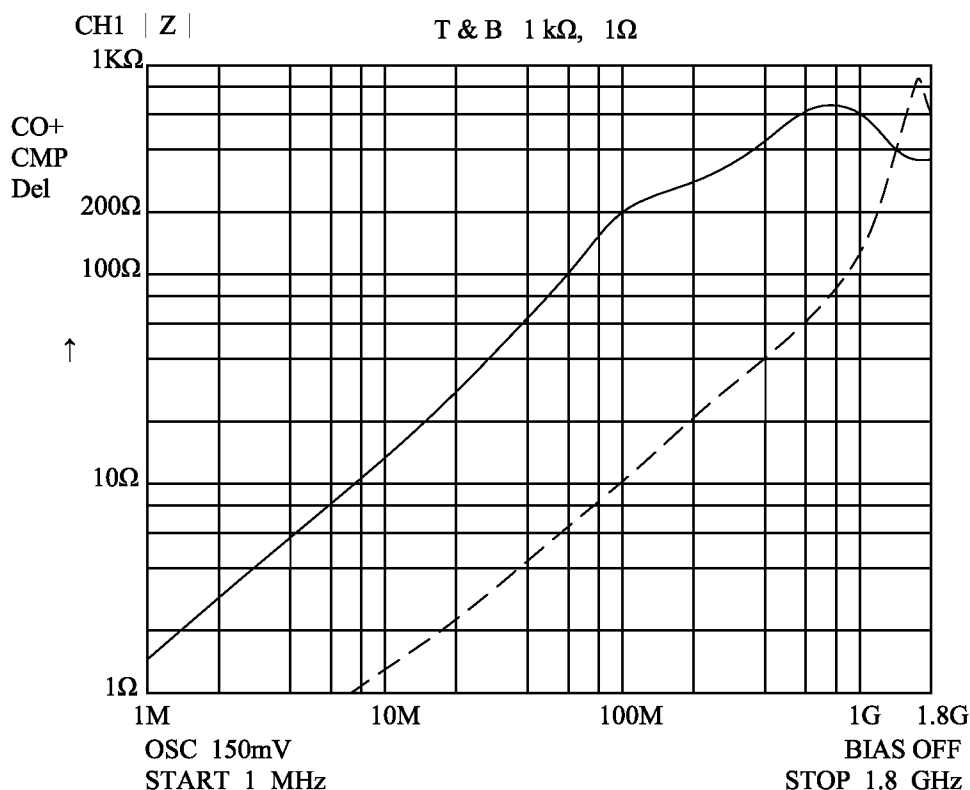
## VI . INSERTION LOSS VS. FREQUENCY & IMPEDANCE VS. FREQUENCY :

CH1 S21&M LOG 2 dB/REF 0dB



CH1 Markers

- 1:-2.0653 dB/ 50.0MHz
- 2:-7.1656 dB/100.0MHz
- 3:-12.730 dB/300.0MHz
- 4:-15.055 dB/500.0MHz



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千如電子集團  
ABC ELECTRONICS GROUP.

# SPECIFICATION FOR APPROVAL

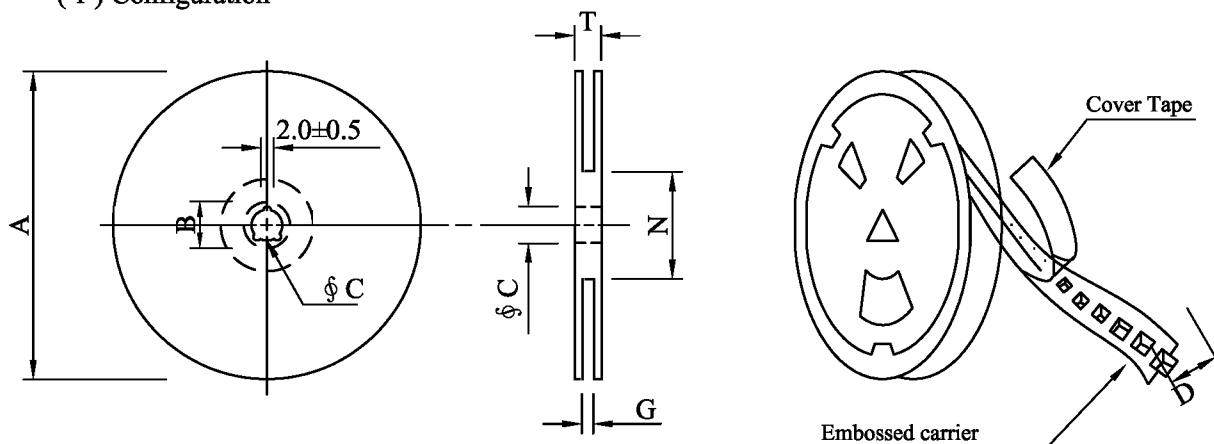
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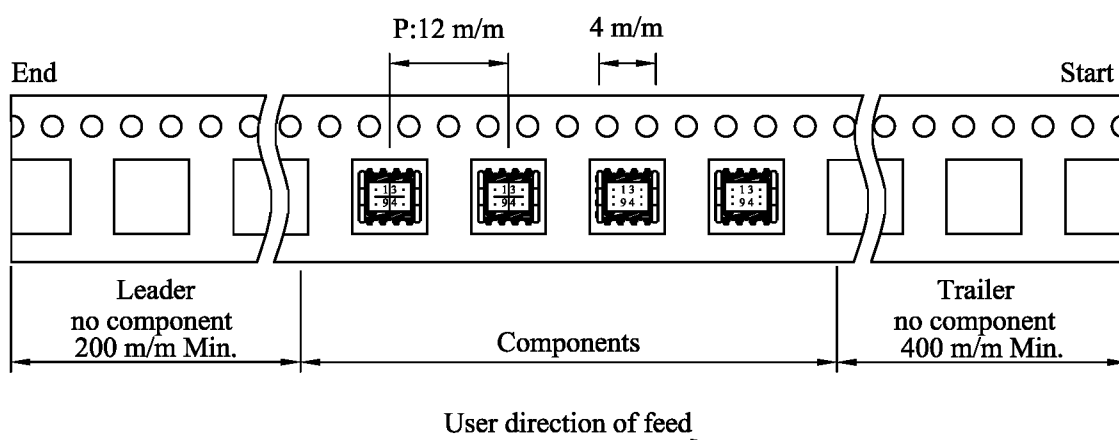
PROD. NAME	SMD COMMON-MODE CHOKE	ABC'S DWG NO.	SC502513942□-□□□
		ABC'S ITEM NO.	

## VII . PACKAGING INFORMATION :

### ( 1 ) Configuration



※Carrier tape width : D



### ( 2 ) Dimensions

Unit:m/m

Style	A	B	C	D	G	N	T
13 - 16	330	21±0.8	13±0.5	16	18 <sup>+0</sup>	50 <sup>-0</sup>	22.4

### ( 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)
SC5025	1,500	270	13 - 16	9,000	3.5	40 x 40 x 24

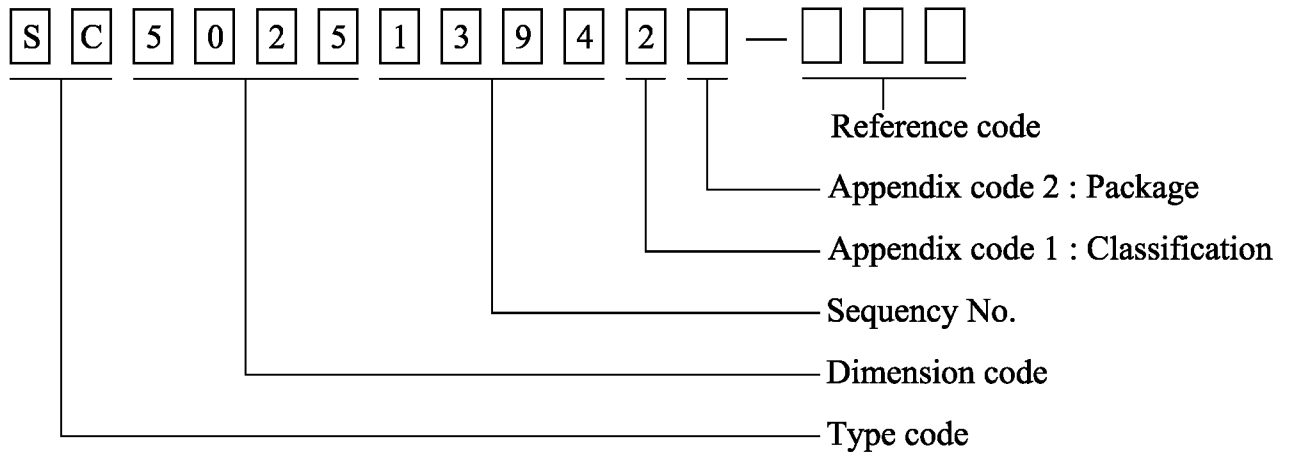
# SPECIFICATION FOR APPROVAL

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PROD. NAME	SMD COMMON-MODE CHOKE	ABC'S DWG NO.	SC502513942□-□□□
		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 )	1500 pcs	

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PROD. NAME	SMD COMMON-MODE CHOKE	ABC'S DWG NO.	SC502513942□-□□□
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## IX . 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
ELAIW	—	Polyesterimide	Polyamideimide	—	MW35C	200
EILOCKY	—	Polyesterimide	Polyamide	—	—	180
EILOCKW	—	Polyesterimide	Modified Epoxy	—	—	200
EW	—	Polyesterimide	—	—	—	220
EW-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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dedicated to public safety and  
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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OBMW2/E174837  
September 8 , 2000

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PROD. NAME	SMD COMMON-MODE CHOKE	ABC'S DWG NO.	SC502513942□-□□□
		ABC'S ITEM NO.	

SUMITOMO CHEMICAL CO LTD										E54705 (M)		
5-33 KITAHAMA 4-CHOME CHUO-KO, OSAKA JAPAN												
Mtl Dsg	Col	Min	UL94	Elec	RTI	w/o	H	H	H	D	C	
		Thk	Flame		Mech		W	A	V	4		
		mm	Class		with	Imp	I	I	R	5	T	
Liquid crystal polyester (LCP), designated "EKONOL" or "SUMIKASUPER", furnished in the form of pellets, (Contd)												
E4008, E400X	NC, BK	0.30	94V-0	130	130	130	—	—	—	—	—	
		0.75	94V-0	130	130	130	3	4	—	—	—	
		1.5	94V-0	130	130	130	2	4	—	—	—	
		3.0	94V-0	130	130	130	1	4	0	5	4	
E4008	NC, WT, BK	0.30	94V-0	130	130	130	—	—	—	—	—	
		0.75	94V-0	220	180	220	3	4	—	—	—	
		1.5	94V-0	220	200	240	2	4	—	—	—	
		3.0	94V-0	220	200	240	1	4	0	5	4	
E4010	NC, BK	0.30	94V-0	130	130	130	—	—	—	—	—	
		0.75	94V-0	220	180	220	3	4	—	—	—	
		1.5	94V-0	220	200	240	2	4	—	—	—	
		3.0	94V-0	220	200	240	1	4	0	5	4	
E400(Y)L, E4008L	NC, BK	0.30	94V-0	130	130	130	—	—	—	—	—	
		0.75	94V-0	130	130	130	3	4	—	—	—	
		1.5	94V-0	130	130	130	2	4	—	—	—	
		3.0	94V-0	130	130	130	1	4	0	5	4	
E4810	NC, BK	0.30	94V-0	130	130	130	—	—	—	—	—	
		0.75	94V-0	130	130	130	0	4	—	—	—	
		1.5	94V-0	130	130	130	0	4	—	—	—	
		3.0	94V-0	130	130	130	1	4	0	5	4	
(X) Denotes any number 1 thru 9.												
(Y) Denotes any number 1 thru 7.												

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