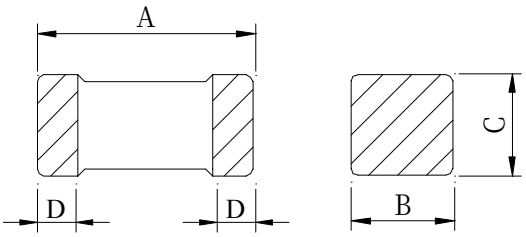
SPECIFICATION FOR APPROVAL

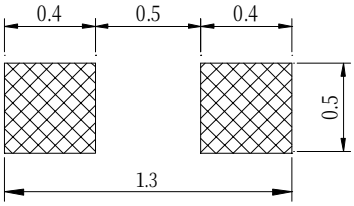
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PROD. NAME	WOUND CHIP INDUCTOR	ABC'S DWG NO.	SL1005□□□□L□-□□□
		ABC'S ITEM NO.	

Ⅰ．CONFIGURATION & DIMENSIONS：

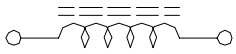


A ： 1.00±0.1 m/m
B ： 0.50±0.1 m/m
C ： 0.50±0.1 m/m
D ： 0.20±0.1 m/m

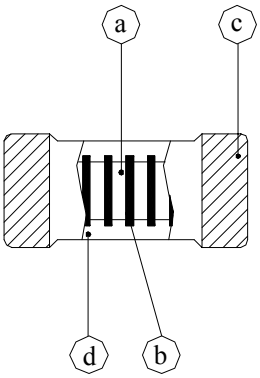


（PCB Pattern）

Ⅱ．SCHEMATIC DIAGRAM：



Ⅲ．MATERIALS：

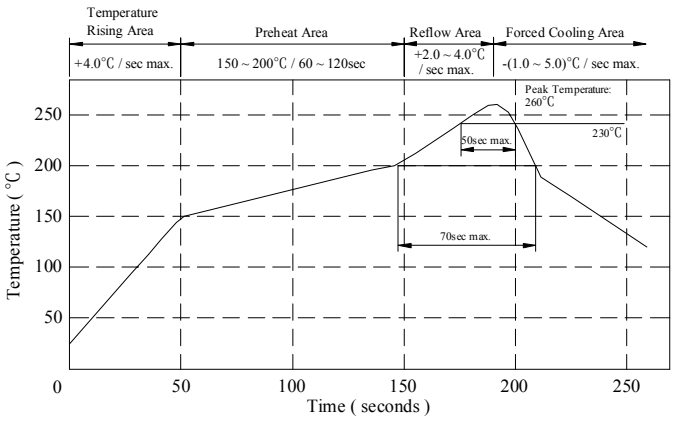


a．Core：Ceramic
b．Wire ：Copper
c．Terminal：Solder coat over Ni plate (Lead content 100ppm max.)
d．Coating：Epoxy resin
e．Remark：Products comply with RoHS' requirements

Ⅳ．GENERAL SPECIFICATION：

a．Temp rise ：15℃ max
b．Rated current：Current cause inductance drop within 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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PROD. NAME	WOUND CHIP INDUCTOR	ABC'S DWG NO.	SL1005□□□□L□-□□□
		ABC'S ITEM NO.	

Ⅴ . ELECTRICAL CHARACTERISTICS ：

DWG No.	Inductance (nH)	Q min	Test Freq. (MHz)		SRF (MHz) min	RDC (Ω) max	IDC (mA) max
			L	Q			
SL10051N0DL□ -□□□	1.0± 0.3	8	100	100	6000	0.05	400
SL10051N2DL□ -□□□	1.2± 0.3	8	100	100	6000	0.06	400
SL10051N5DL□ -□□□	1.5± 0.3	8	100	100	6000	0.07	400
SL10051N8DL□ -□□□	1.8± 0.3	8	100	100	6000	0.08	400
SL10052N2DL□ -□□□	2.2± 0.3	8	100	100	6000	0.09	400
SL10052N7DL□ -□□□	2.7± 0.3	8	100	100	5500	0.10	400
SL10053N3DL□ -□□□	3.3± 0.3	8	100	100	5500	0.12	400
SL10053N9DL□ -□□□	3.9± 0.3	8	100	100	5200	0.15	360
SL10054N7DL□ -□□□	4.7± 0.3	8	100	100	4800	0.17	360
SL10055N6DL□ -□□□	5.6± 0.3	8	100	100	4600	0.19	340
SL10056N8JL□ -□□□	6.8± 5%	8	100	100	4000	0.30	320
SL10058N2JL□ -□□□	8.2± 5%	8	100	100	3500	0.35	320
SL100510NJL□ -□□□	10.0± 5%	8	100	100	2800	0.41	320
SL100512NJL□ -□□□	12.0± 5%	8	100	100	2800	0.45	320
SL100515NJL□ -□□□	15.0± 5%	8	100	100	2500	0.60	240
SL100518NJL□ -□□□	18.0± 5%	8	100	100	2200	0.70	240
SL100522NJL□ -□□□	22.0± 5%	8	100	100	2000	0.80	200
SL100527NJL□ -□□□	27.0± 5%	8	100	100	1800	1.20	200
SL100533NJL□ -□□□	33.0± 5%	8	100	100	1800	1.40	170
SL100539NJL□ -□□□	39.0± 5%	8	100	100	1800	1.70	150
SL100547NJL□ -□□□	47.0± 5%	8	100	100	1800	2.10	140
SL100556NJL□ -□□□	56.0± 5%	8	100	100	1500	2.50	130
SL100568NJL□ -□□□	68.0± 5%	8	100	100	1500	4.00	120
SL100582NJL□ -□□□	82.0± 5%	8	100	100	1400	4.50	110
SL1005R10JL□ -□□□	100.0± 5%	8	100	100	1200	5.50	90

1). □ ：Packging Information… A：Bulk B：Taping Reel

2)."-□□□ ":Reference code

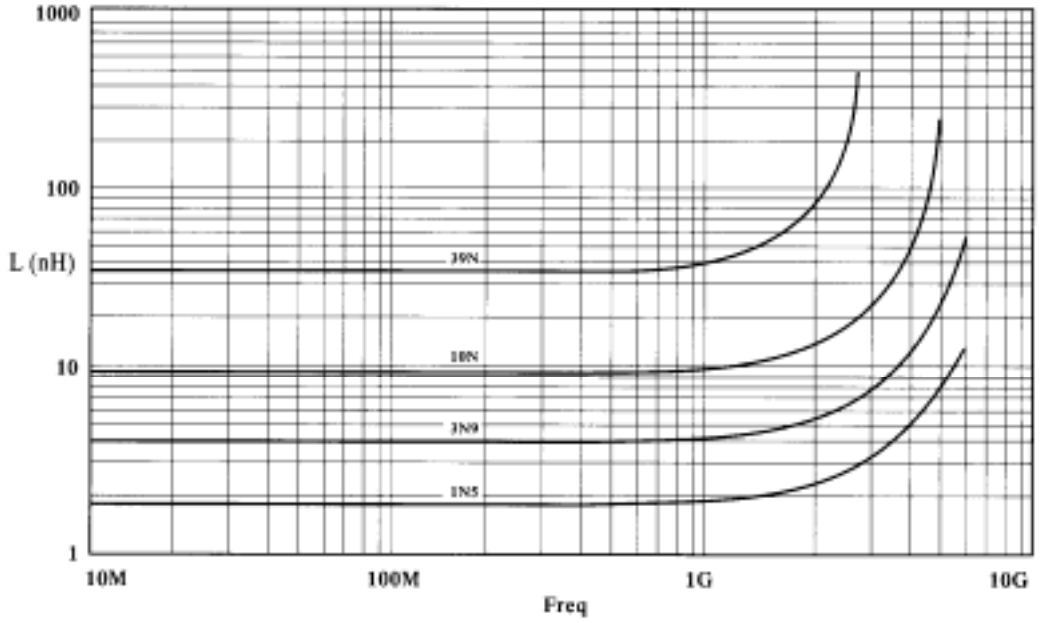
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SPECIFICATION FOR APPROVAL

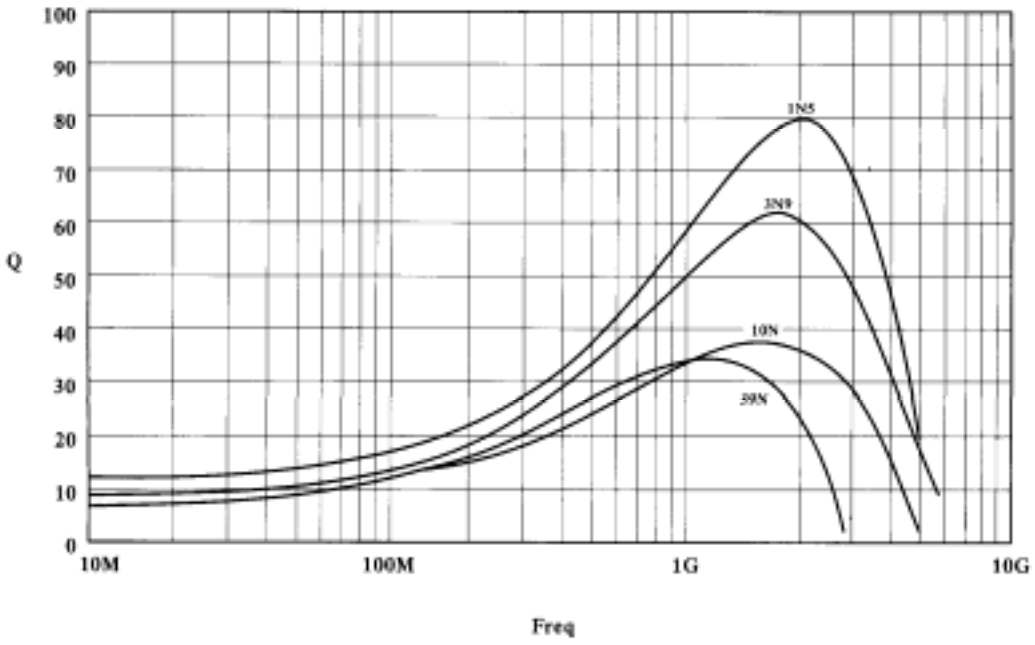
PROD. NAME	WOUND CHIP INDUCTOR	ABC'S DWG NO.	SL1005□□□□L□-□□□
		ABC'S ITEM NO.	

Ⅵ . CURVE：

L vs Freq Plot



Q vs Freq Plot



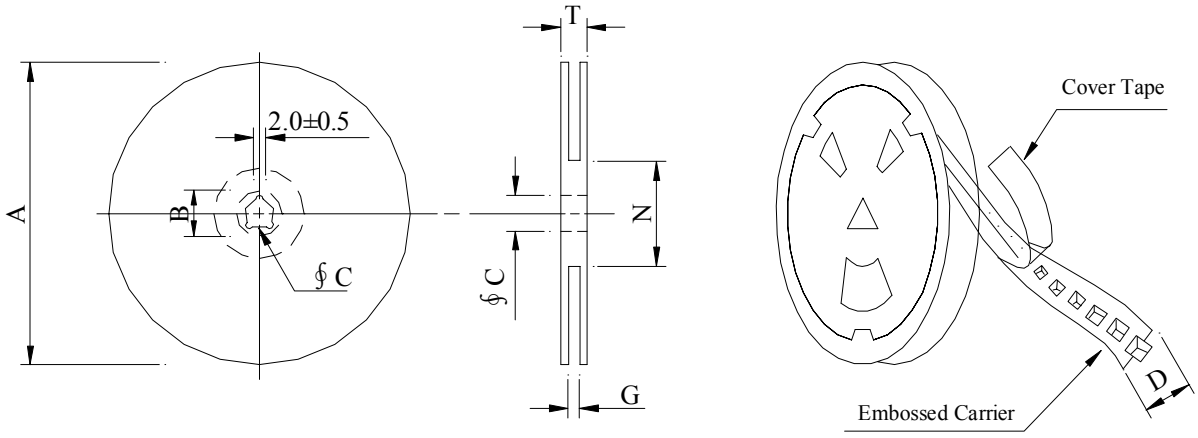
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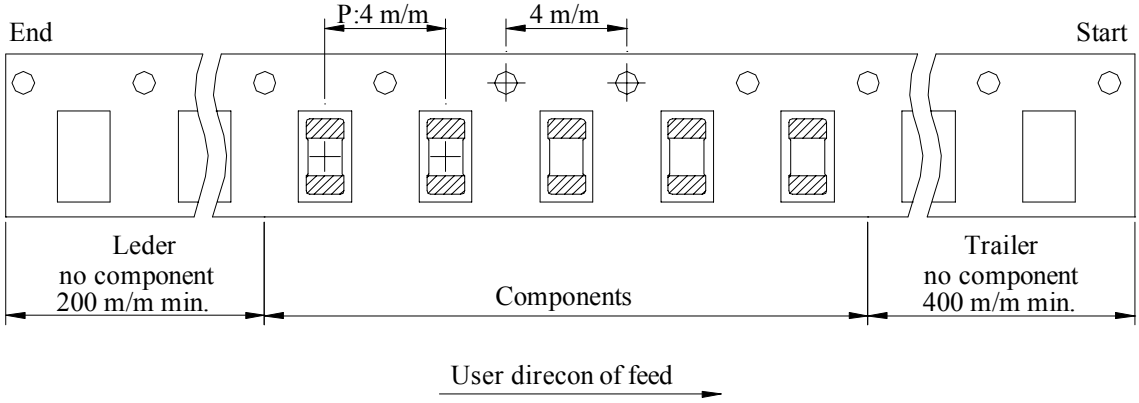
PROD. NAME	WOUND CHIP INDUCTOR	ABC'S DWG NO.	SL1005□□□□L□-□□□
		ABC'S ITEM NO.	

Ⅶ．PACKAGING INFORMATION：

(1) Configuration



※Carrier tape width : D



(2) Dimensions Unit:m/m

Style	A	B	C	D	G	N	T
07 - 08	178	21±0.8	13	8	10^{+0}	50^{-0}	12.5

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

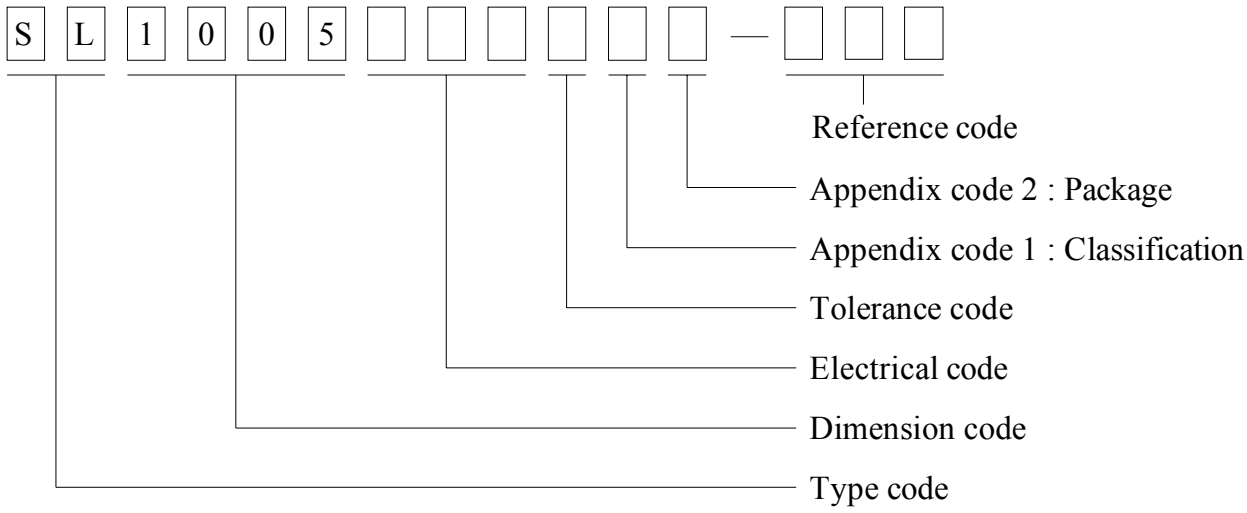
Series	Inner : Reel			Outer : Carton		
	Q'TY (pcs)	G.W. (gw)	Style	Q'TY (pcs)	G.W. (Kg)	Size (cm)
SL1005	10,000	100	07 - 08	500,000	5.50	41 x39 x 22

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SPECIFICATION FOR APPROVAL

PROD. NAME	WOUND CHIP INDUCTOR	ABC'S DWG NO.	SL1005□□□□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)	10,000 pcs	

SPECIFICATION FOR APPROVAL

PROD. NAME	WOUND CHIP INDUCTOR	ABC'S DWG NO.	SL1005□□□□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 ±30%	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