

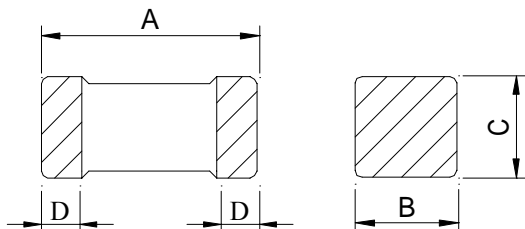
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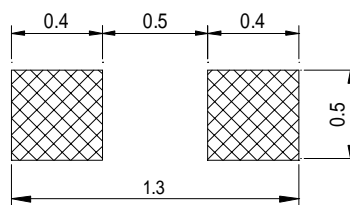
PROD. NAME	WOUND CHIP INDUCTOR	ABC'S DWG NO.	SL1005□□□□L□-□□□
		ABC'S ITEM NO.	

. 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

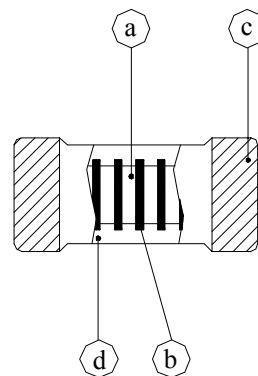
. SCHEMATIC DIAGRAM :



(PCB Pattern)

. MATERIALS :

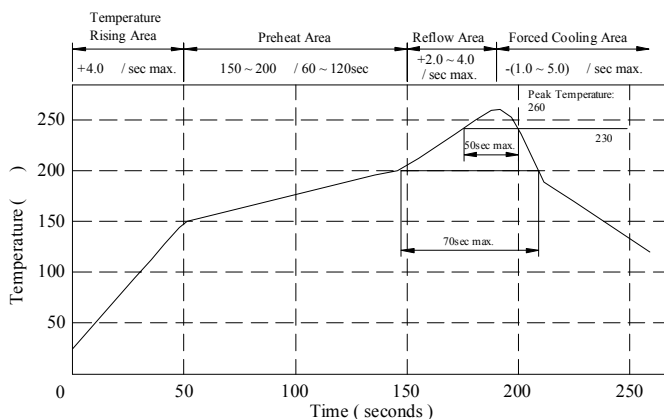
- a . Core : Ceramic
- b . Wire : Copper
- c . Terminal : Solder coat over Ni plate (Lead content 100ppm max.)
- d . Coating : Epoxy resin
- e . Remark : Products comply with RoHS' requirements



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

. 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.



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. 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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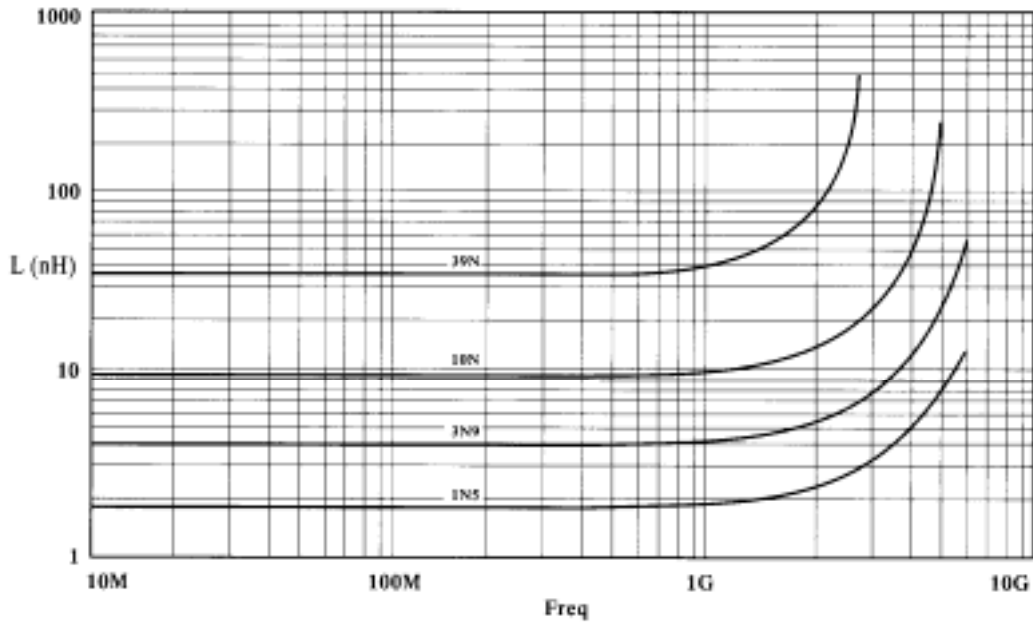
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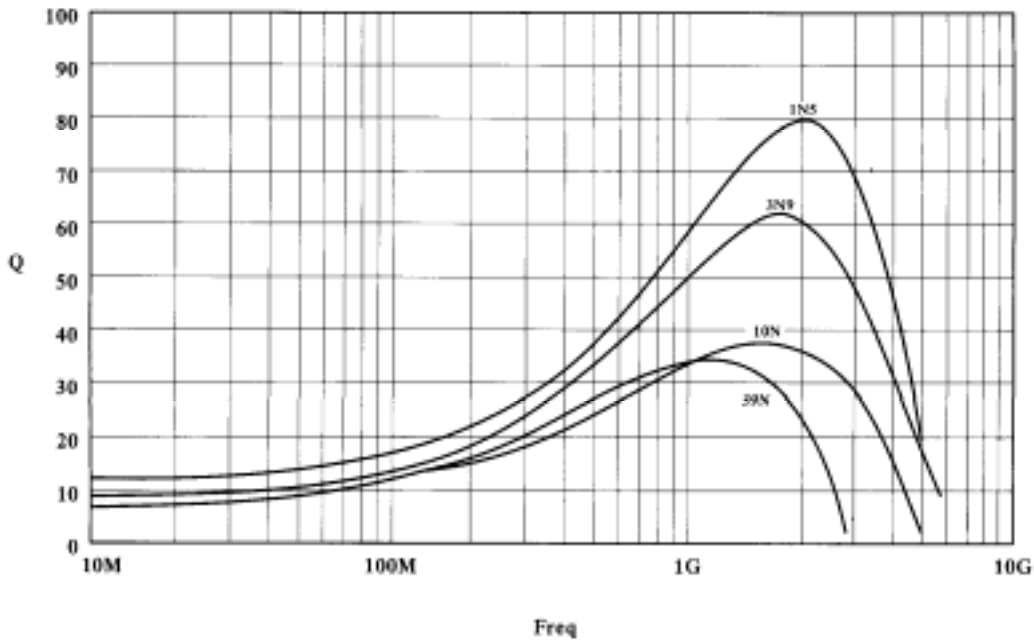
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. CURVE :

L vs Freq Plot



Q vs Freq Plot



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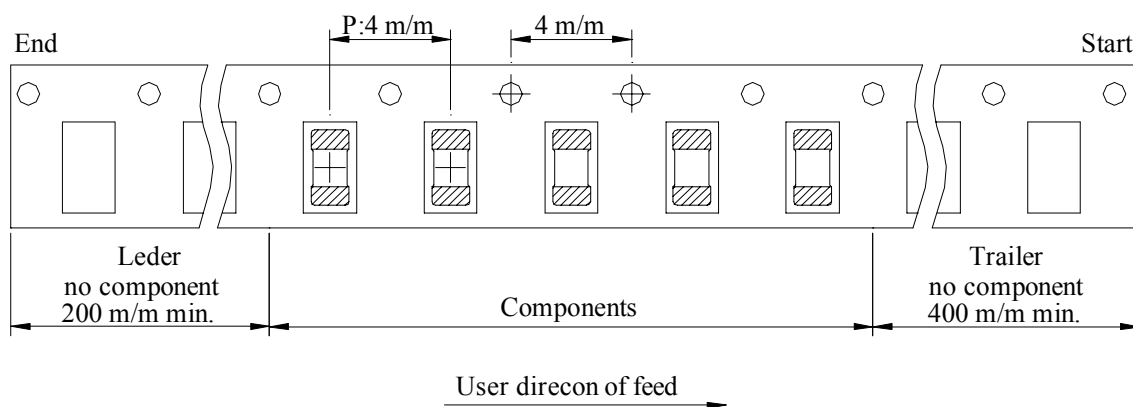
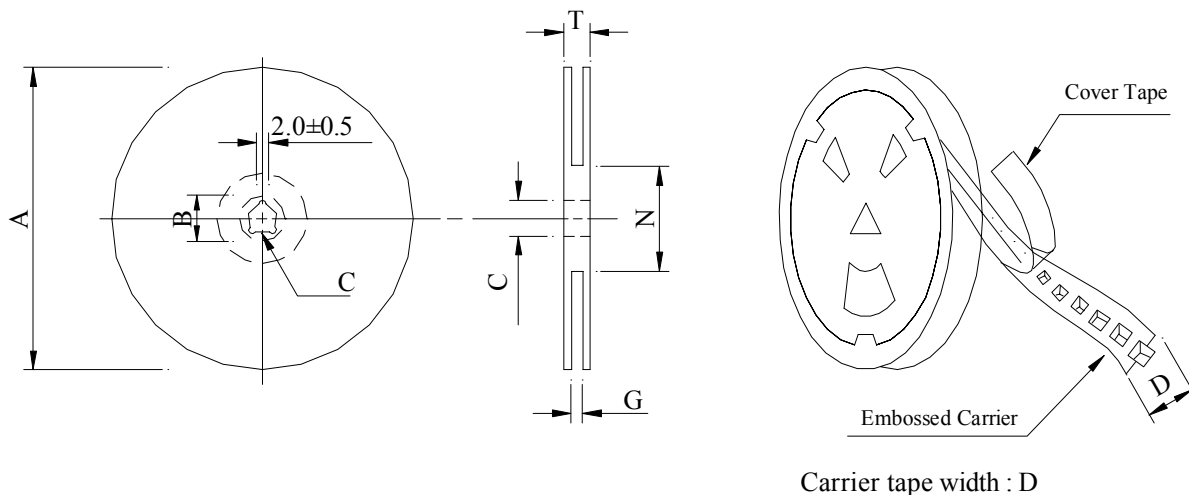
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PACKAGING INFORMATION :

(1) Configuration



(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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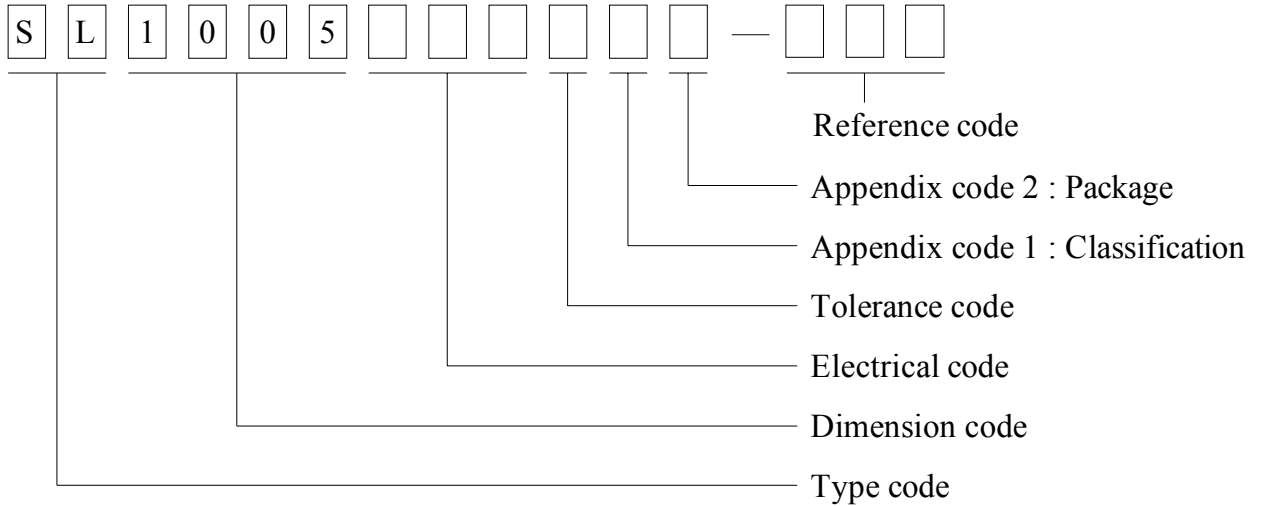
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. DWGING NUMBER EXPRESSION :



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	

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. 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 ±30%	<table style="width: 100%; border: none;"> <tr> <td style="border: none;">Room temp. 15 minutes</td> <td style="border: none; text-align: center;">→</td> <td style="border: none; text-align: center;"> <table style="width: 100%; border: none;"> <tr> <td style="border: none; text-align: center;">-25±2</td> <td style="border: none; text-align: center;">30 minutes</td> </tr> </table> </td> </tr> <tr> <td style="border: none;">Room temp. 15 minutes</td> <td style="border: none; text-align: center;">→</td> <td style="border: none; text-align: center;"> <table style="width: 100%; border: none;"> <tr> <td style="border: none; text-align: center;">85±2</td> <td style="border: none; text-align: center;">30 minutes</td> </tr> </table> </td> </tr> </table> <p>Total : 50 cycles</p>	Room temp. 15 minutes	→	<table style="width: 100%; border: none;"> <tr> <td style="border: none; text-align: center;">-25±2</td> <td style="border: none; text-align: center;">30 minutes</td> </tr> </table>	-25±2	30 minutes	Room temp. 15 minutes	→	<table style="width: 100%; border: none;"> <tr> <td style="border: none; text-align: center;">85±2</td> <td style="border: none; text-align: center;">30 minutes</td> </tr> </table>	85±2	30 minutes
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85±2	30 minutes											
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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