

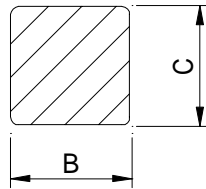
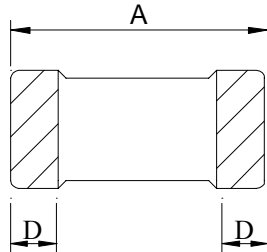
SPECIFICATION FOR APPROVAL

REF :

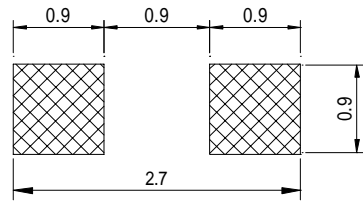
PAGE: 1

PROD. NAME	WOUND CHIP INDUCTOR	ABC'S DWG NO.	SL1608□□□□L□-□□□
		ABC'S ITEM NO.	

. CONFIGURATION & DIMENSIONS :

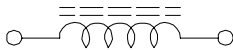


- A : 1.6±0.2 m/m
- B : 0.8±0.2 m/m
- C : 0.8±0.2 m/m
- D : 0.4 typ. m/m



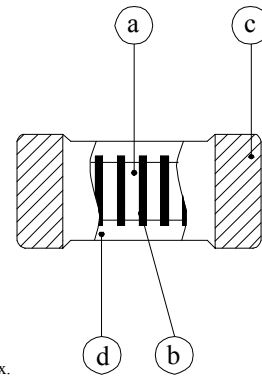
(PCB Pattern)

. SCHEMATIC DIAGRAM :



. MATERIALS :

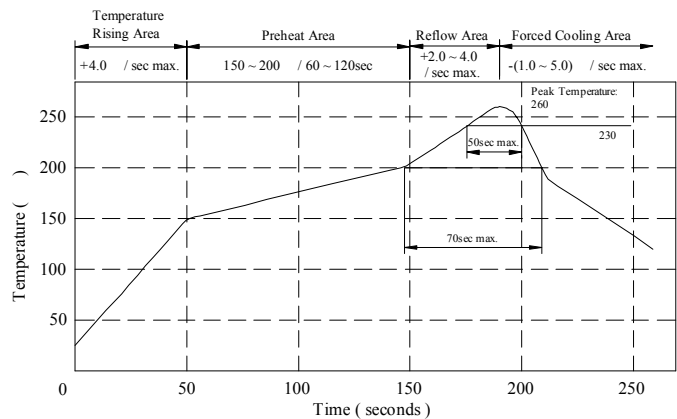
- a . Core : Ceramic
- b . Wire : Copper
- c . Terminal : Solder coat over Ni plate (Lead content 100ppm max.)
- d . Coating : Epoxy resin
- e . Remark : Products comply with RoHS' requirements



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.



AR-001A

SPECIFICATION FOR APPROVAL

REF :

PAGE: 2

PROD. NAME	WOUND CHIP INDUCTOR	ABC'S DWG NO.	SL1608□□□□L□-□□□
		ABC'S ITEM NO.	

. ELECTRICAL CHARACTERISTICS :

DWG No.	Inductance (nH)	Q min	Test Freq. (MHz)		SRF (MHz) min	RDC (Ω) max	IDC (mA) max
			L	Q			
SL16081N0ML□-□□□	1.0±20%	7	100	100	6000	0.05	500
SL16081N2ML□-□□□	1.2±20%	7	100	100	6000	0.06	500
SL16081N5ML□-□□□	1.5±20%	8	100	100	6000	0.07	500
SL16081N8ML□-□□□	1.8±20%	8	100	100	6000	0.08	500
SL16082N2ML□-□□□	2.2±20%	8	100	100	6000	0.09	500
SL16082N7ML□-□□□	2.7±20%	8	100	100	6000	0.10	500
SL16083N3ML□-□□□	3.3±20%	9	100	100	5500	0.12	500
SL16083N9JL□-□□□	3.9± 5%	9	100	100	5500	0.15	450
SL16084N7JL□-□□□	4.7± 5%	9	100	100	4800	0.17	450
SL16085N6JL□-□□□	5.6± 5%	9	100	100	4600	0.18	430
SL16086N8JL□-□□□	6.8± 5%	9	100	100	3550	0.20	430
SL16088N2JL□-□□□	8.2± 5%	9	100	100	3500	0.28	400
SL160810NJL□-□□□	10.0± 5%	10	100	100	2800	0.32	400
SL160812NJL□-□□□	12.0± 5%	10	100	100	2800	0.35	400
SL160815NJL□-□□□	15.0± 5%	10	100	100	2500	0.41	350
SL160818NJL□-□□□	18.0± 5%	10	100	100	2300	0.45	350
SL160822NJL□-□□□	22.0± 5%	10	100	100	2000	0.50	300
SL160827NJL□-□□□	27.0± 5%	10	100	100	2000	0.55	300
SL160833NJL□-□□□	33.0± 5%	10	100	100	1800	0.60	300
SL160839NJL□-□□□	39.0± 5%	11	100	100	1800	0.80	300
SL160847NJL□-□□□	47.0± 5%	11	100	100	1800	0.95	250
SL160856NJL□-□□□	56.0± 5%	12	100	100	1800	1.20	250
SL160868NJL□-□□□	68.0± 5%	12	100	100	1500	1.30	250
SL160882NJL□-□□□	82.0± 5%	12	100	100	1500	1.50	250
SL1608R10JL□-□□□	100.0± 5%	12	100	100	1300	1.80	200
SL1608R12JL□-□□□	120.0± 5%	5	25.2	25.2	1200	3.00	130
SL1608R15JL□-□□□	150.0± 5%	5	25.2	25.2	1100	4.50	100
SL1608R18JL□-□□□	180.0± 5%	4	25.2	25.2	1000	6.50	80
SL1608R22JL□-□□□	220.0± 5%	4	25.2	25.2	900	7.50	70

1). □ : Packaging Information... A : Bulk B : Taping Reel

2). "-□□□": Reference code

AR-001A



SPECIFICATION FOR APPROVAL

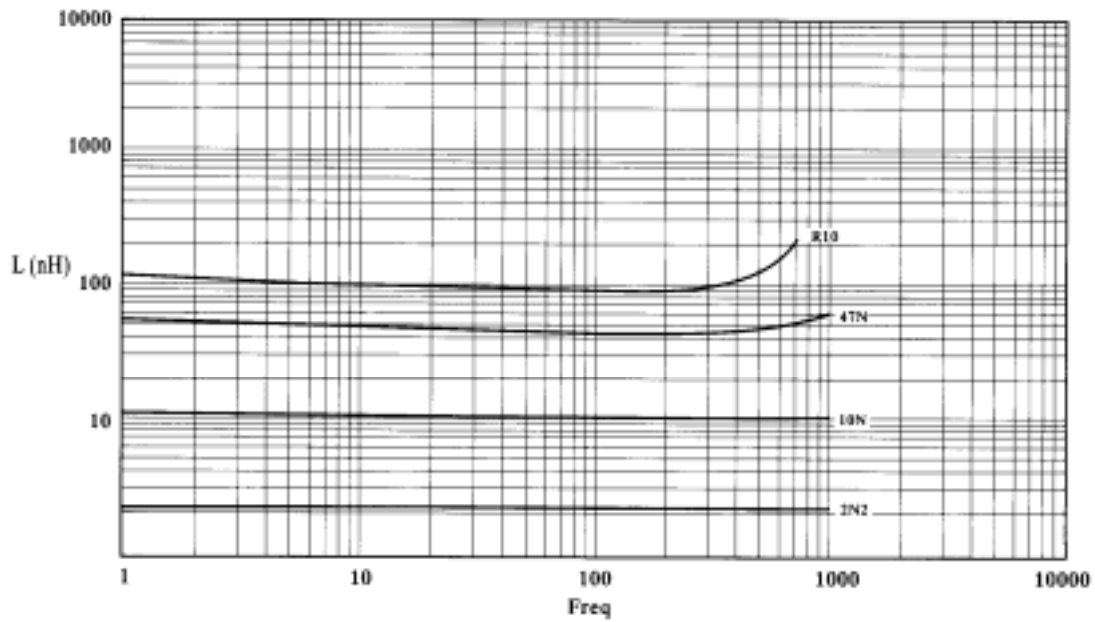
REF :

PAGE: 3

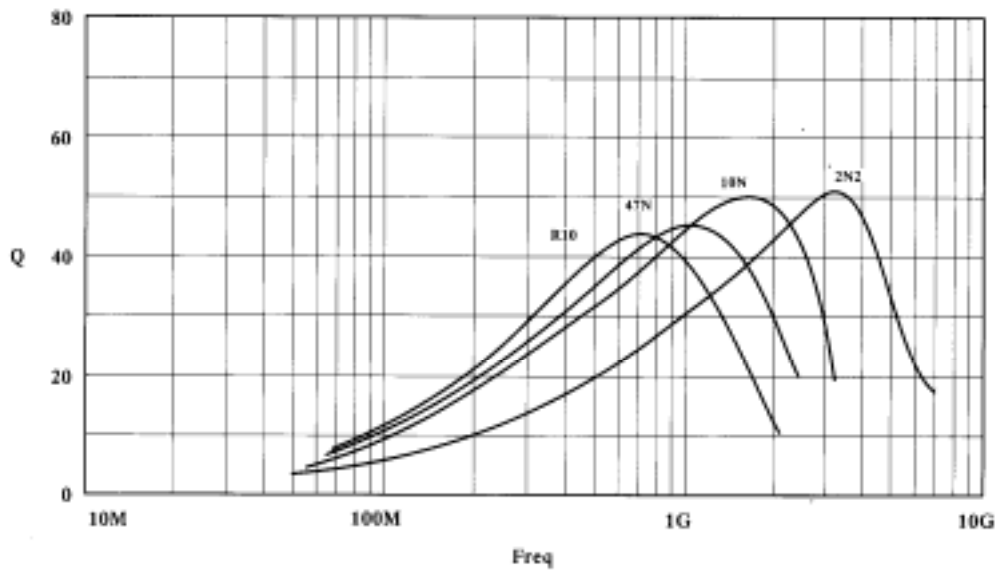
PROD. NAME	WOUND CHIP INDUCTOR	ABC'S DWG NO.	SL1608□□□□L□-□□□
		ABC'S ITEM NO.	

CURVE :

L vs Freq Plot



Q vs Freq Plot



AR-001A

SPECIFICATION FOR APPROVAL

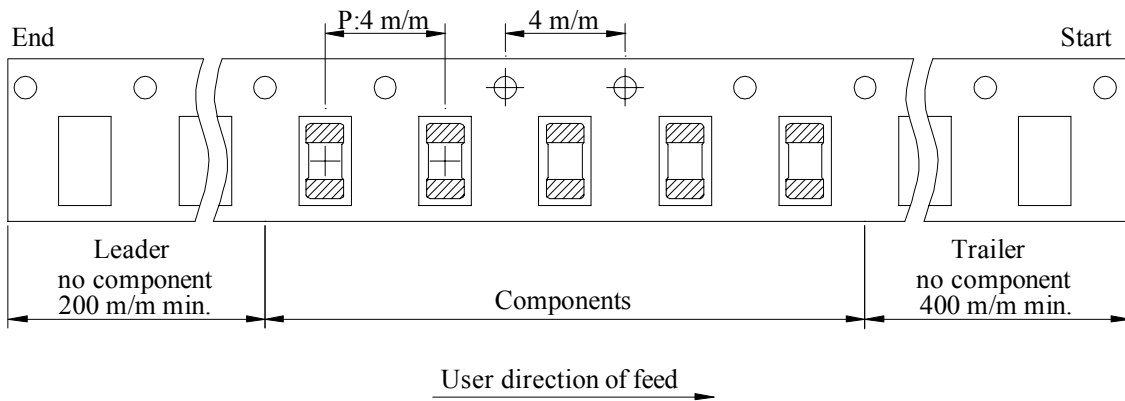
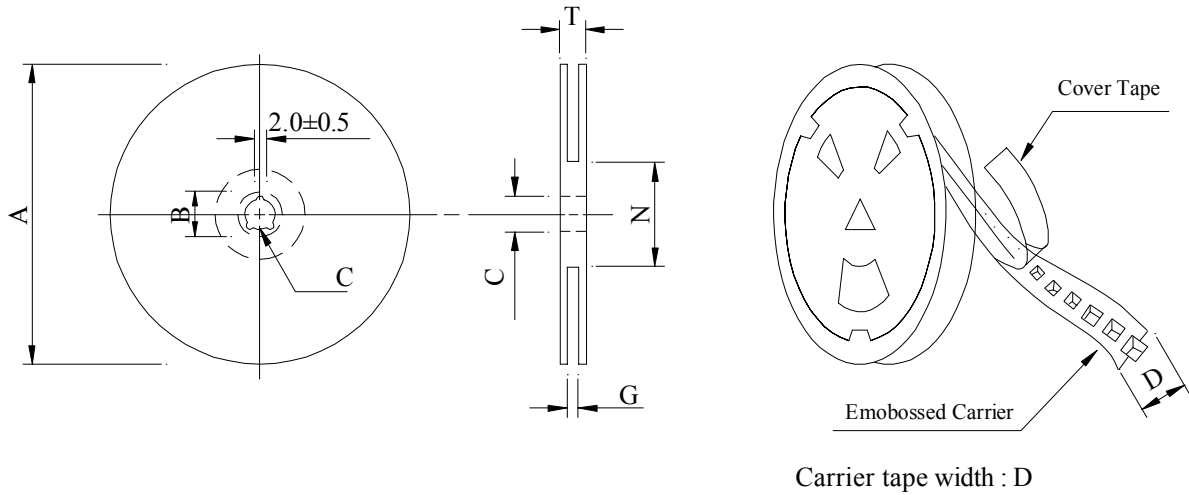
REF :

PAGE: 4

PROD. NAME	WOUND CHIP INDUCTOR	ABC'S DWG NO.	SL1608□□□□L□-□□□
		ABC'S ITEM NO.	

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)
SL1608	3,000	100	07 - 08	150,000	5.50	41 x 39 x 22

AR-001A



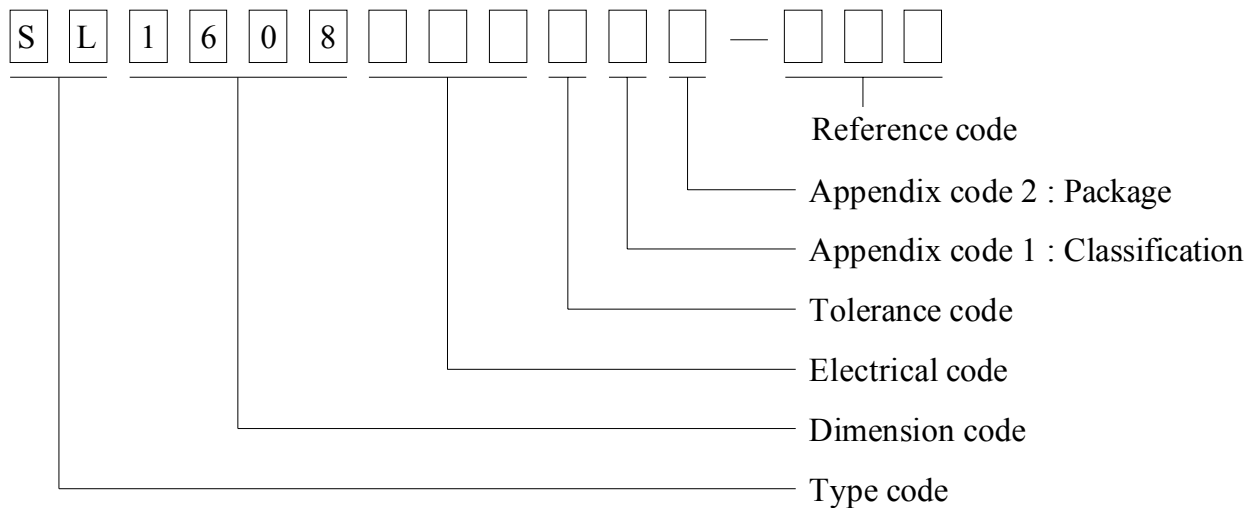
SPECIFICATION FOR APPROVAL

REF :

PAGE: 5

PROD. NAME	WOUND CHIP INDUCTOR	ABC'S DWG NO.	SL1608□□□□L□-□□□
		ABC'S ITEM NO.	

. 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)	3000 pcs	

AR-001A



SPECIFICATION FOR APPROVAL

REF :

PAGE: 6

PROD. NAME	WOUND CHIP INDUCTOR	ABC'S DWG NO.	SL1608□□□□L□-□□□
		ABC'S ITEM NO.	

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

AR-001A

