

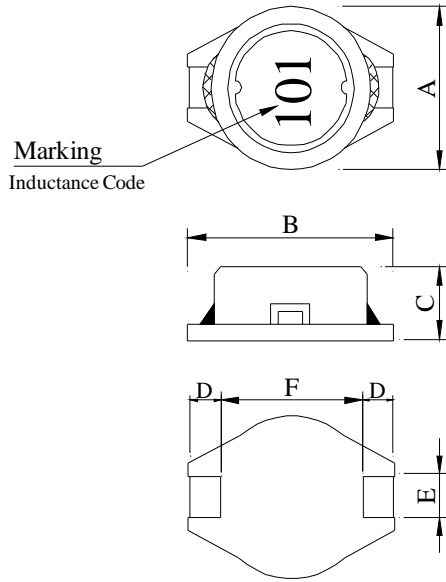
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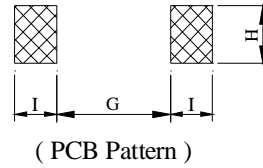
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		ABC'S ITEM NO.	

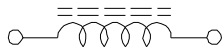
I . CONFIGURATION & DIMENSIONS :



A	: 10.0±0.3	m/m
B	: 12.7±0.3	m/m
C	: 4.9±0.3	m/m
D	: 2.4±0.2	m/m
E	: 2.2 ref.	m/m
F	: 7.6±0.3	m/m
G	: 7.3 ref.	m/m
H	: 2.8 ref.	m/m
I	: 3.0 ref.	m/m

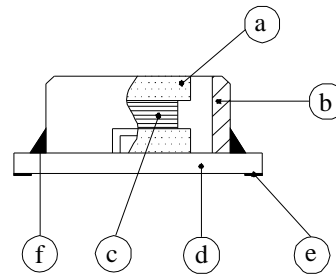


II . SCHEMATIC DIAGRAM :

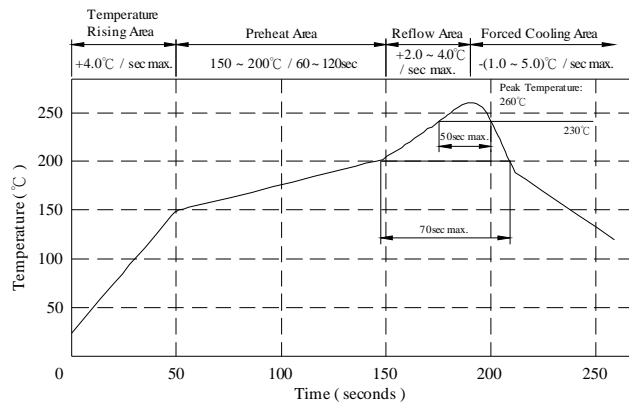


III . MATERIALS :

- a . Core : Ferrite DR core
- b . Core : Ferrite RI core
- c . Wire : Enamelled copper wire (class F)
- d . Base : DAP Base
- e . Terminal : Cu/Ni/Sn
- f . Adhesice : Epoxy resin
- g . 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 . GENERAL SPECIFICATION :

- a . Temp. rise : 40°C max.
- b . Rated current : Base on temp. rise & $\Delta L / L0A=10\%$ max.
- c . Storage temp. : -40°C ----+125°C
- d . Operating temp. : -40°C ----+105°C
- e . Resistance to solder heat : 260°C.10 secs.

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		ABC'S ITEM NO.	

V . ELECTRICAL CHARACTERISTICS :

DWG No.	Inductance (μH)	Q ref.	Test Freq. (Hz)		SRF (MHz) nom	RDC (Ω) max	IDC (A) max
			L	Q			
SS10051R0ML□-□□□	1.0±20%	25	1K	7.960M	120.0	0.017	4.50
SS10051R5ML□-□□□	1.5±20%	25	1K	7.960M	100.0	0.020	3.60
SS10052R2ML□-□□□	2.2±20%	25	1K	7.960M	90.0	0.027	3.10
SS10053R0ML□-□□□	3.0±20%	25	1K	7.960M	80.0	0.030	2.90
SS10054R7ML□-□□□	4.7±20%	25	1K	7.960M	50.0	0.040	2.50
SS10057R0ML□-□□□	7.0±20%	22	1K	7.960M	32.0	0.055	2.20
SS1005100ML□-□□□	10.0±20%	48	1K	2.520M	30.0	0.065	2.00
SS1005120ML□-□□□	12.0±20%	45	1K	2.520M	25.0	0.080	1.80
SS1005150ML□-□□□	15.0±20%	40	1K	2.520M	20.0	0.085	1.70
SS1005180YL□-□□□	18.0±15%	35	1K	2.520M	19.0	0.090	1.60
SS1005220YL□-□□□	22.0±15%	42	1K	2.520M	18.0	0.100	1.40
SS1005270YL□-□□□	27.0±15%	40	1K	2.520M	17.0	0.120	1.30
SS1005330YL□-□□□	33.0±15%	40	1K	2.520M	15.0	0.160	1.20
SS1005390YL□-□□□	39.0±15%	40	1K	2.520M	13.0	0.180	1.05
SS1005470YL□-□□□	47.0±15%	35	1K	2.520M	12.0	0.190	1.00
SS1005560YL□-□□□	56.0±15%	35	1K	2.520M	11.0	0.210	0.90
SS1005680YL□-□□□	68.0±15%	35	1K	2.520M	9.0	0.340	0.82
SS1005820YL□-□□□	82.0±15%	35	1K	2.520M	8.0	0.380	0.75
SS1005101KL□-□□□	100.0±10%	35	1K	0.796M	7.5	0.420	0.68
SS1005121KL□-□□□	120.0±10%	30	1K	0.796M	7.2	0.460	0.60
SS1005151KL□-□□□	150.0±10%	28	1K	0.796M	6.2	0.520	0.55
SS1005181KL□-□□□	180.0±10%	28	1K	0.796M	5.8	0.700	0.50
SS1005221KL□-□□□	220.0±10%	30	1K	0.796M	5.2	0.800	0.45
SS1005271KL□-□□□	270.0±10%	30	1K	0.796M	4.8	1.100	0.40
SS1005331KL□-□□□	330.0±10%	30	1K	0.796M	4.5	1.200	0.35
SS1005391KL□-□□□	390.0±10%	25	1K	0.796M	4.2	1.400	0.33
SS1005471KL□-□□□	470.0±10%	40	1K	0.796M	3.0	1.600	0.30
SS1005561KL□-□□□	560.0±10%	40	1K	0.796M	2.7	1.800	0.28
SS1005681KL□-□□□	680.0±10%	37	1K	0.796M	2.6	2.300	0.26
SS1005821KL□-□□□	820.0±10%	37	1K	0.796M	2.5	2.600	0.24
SS1005102KL□-□□□	1000.0±10%	65	1K	0.252M	2.0	3.200	0.22
SS1005122KL□-□□□	1200.0±10%	58	1K	0.252M	2.0	3.600	0.20
SS1005152KL□-□□□	1500.0±10%	53	1K	0.252M	1.6	5.200	0.17
SS1005182KL□-□□□	1800.0±10%	65	1K	0.252M	1.4	5.700	0.16
SS1005222KL□-□□□	2200.0±10%	55	1K	0.252M	1.4	6.500	0.14
SS1005272KL□-□□□	2700.0±10%	55	1K	0.252M	1.2	8.600	0.12
SS1005332KL□-□□□	3300.0±10%	50	1K	0.252M	1.2	10.000	0.10

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

2). "-" □□□ " : Reference code

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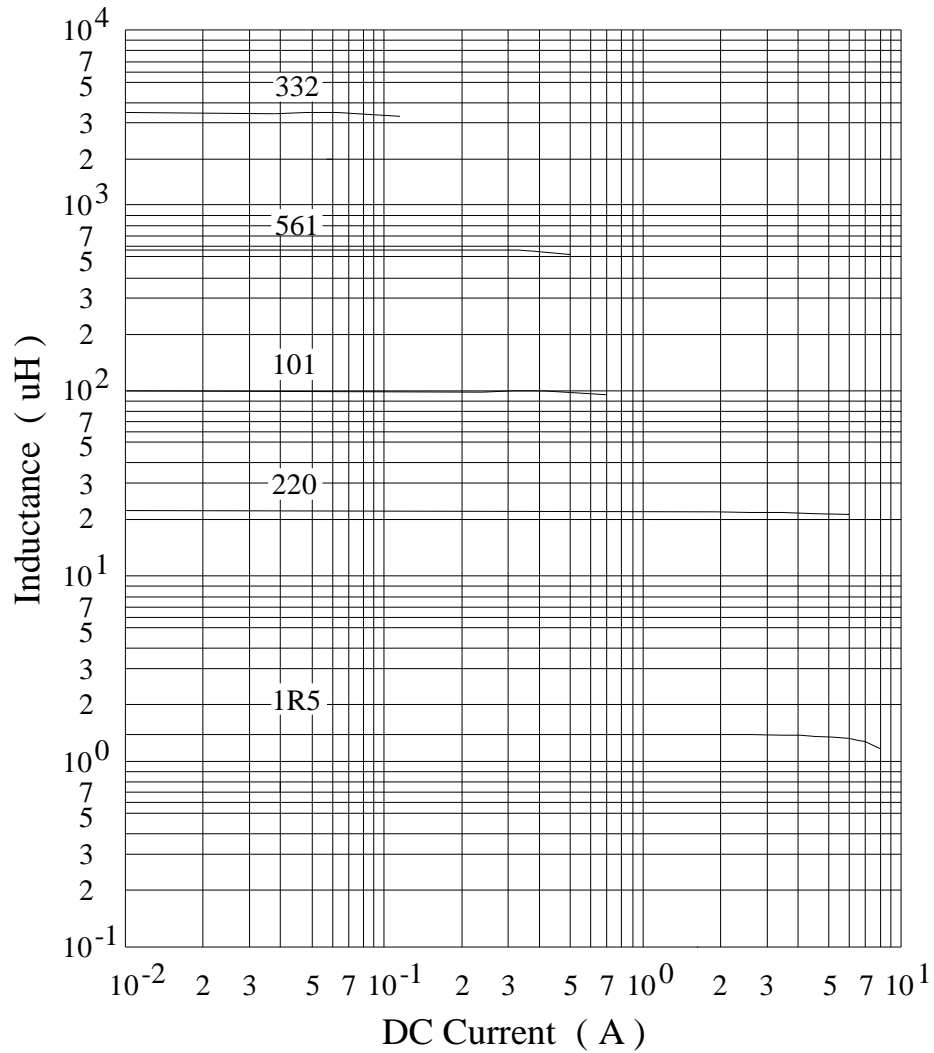
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VI . INDUCTANCE VS. DC CURRENT CURVE :



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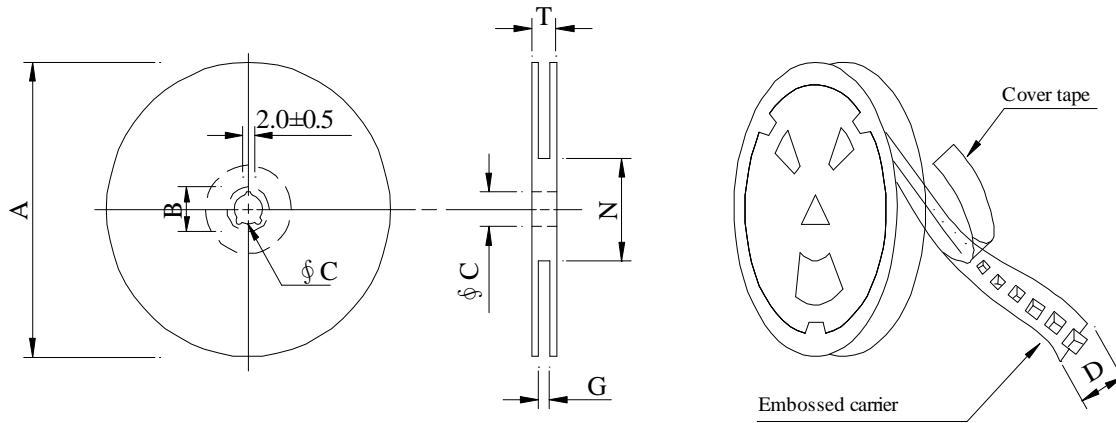
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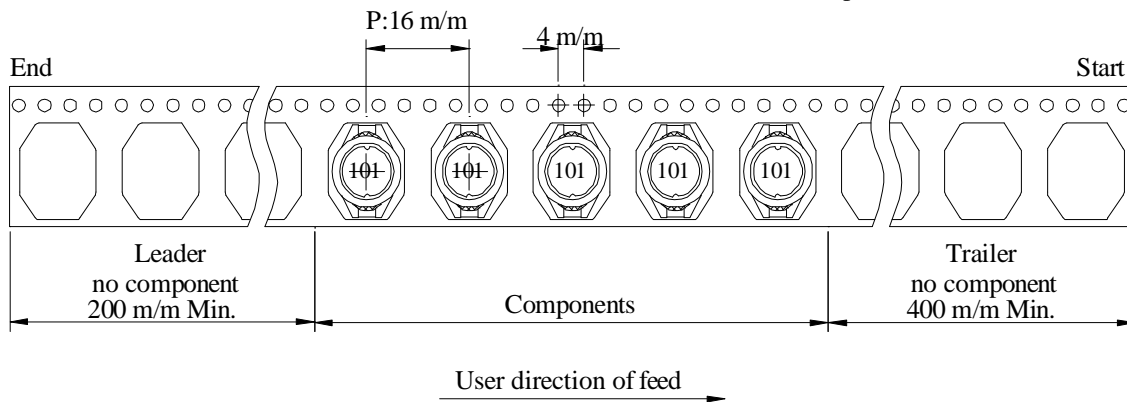
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VII . PACKAGING INFORMATION :

(1) Configuration



※Carrier tape Width : D



(2) Dimensions

Unit:m/m

Style	A	B	C	D	G	N	T
13 - 24	330	21±0.8	13	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)
SS1005	600	1,100	13 - 24	2,400	6.6	40 x 40 x 24
SS1005	500	920	13 - 24	2,000	5.5	40 x 40 x 24

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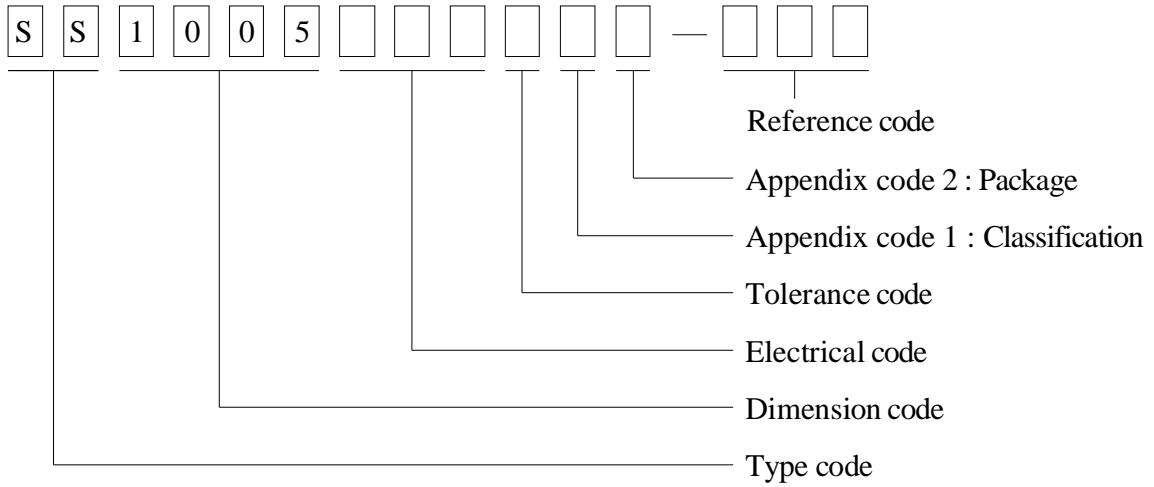
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VIII . DWGING NUMBER EXPRESSION :



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 QTY	Remark
A	T.B.D.	T.B.D.	
B	T / R (Reel package)	600 pcs	
C	T / R (Reel package)	500 pcs	

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IX . 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;">→</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;">→</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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SUMITOMO CHEMICAL CO LTD										E54705 (M)	
5-33 KITAHAMA 4-CHOME CHUO-KO, OSAKA JAPAN											
Mtl Dsg	Col	Min Thk mm	UL94 Flame Class	Elec	RTI		H W I	H A I	H V R	D 4 5	C T I
					with Imp	Mech w/o Imp					
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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