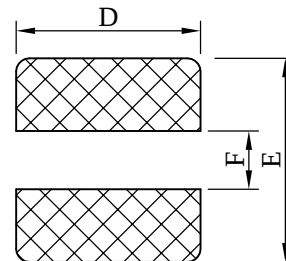
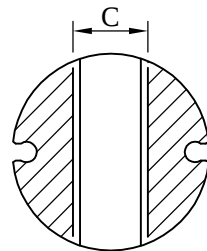
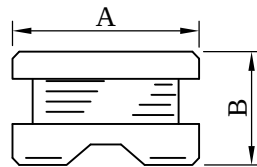
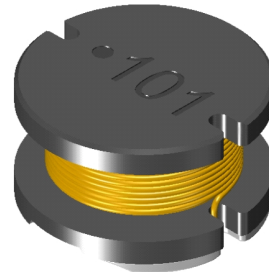
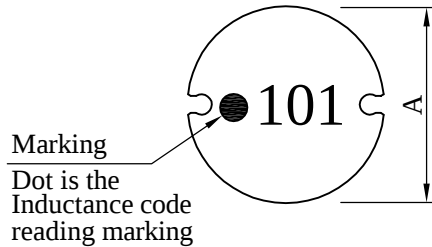


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I . Configuration and dimensions :



(PCB Pattern)

Unit : mm

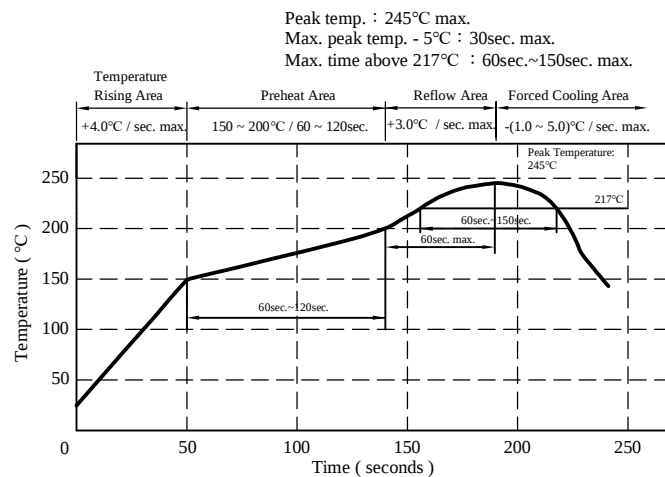
A	B	C	D	E	F
9.50 ±0.3	5.50 ±0.3	2.90 ref.	10.0 ref.	10.0 ref.	2.80 ref.

II . Description :

- a . Ferrite drum core construction
- b . Enamelled copper wire : F 、 H class
- c . Product weight : 1.160g (ref.)
- d . Moisture sensitivity Level 1
- e . Products comply with RoHS' requirements
- f . Halogen free

III . General specification :

- a . Storage temp. : -40°C ----+125°C
- b . Operating temp. : -40°C----+125°C
(Temp. rise included)
- c . Resistance to solder heat : 260°C.10 sec.



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IV . Electrical characteristics :

DWG. No.	Inductance (μ H)	Q ref.	Test Freq. (Hz)		SRF (MHz) nom.	RDC (Ω) max.	Isat (A) typ.	Irms (A) typ.
			L	Q				
SR10061R5MS□-□□□	1.5 $\pm$ 20%	35	1k	7.960M	105.0	0.018	13.00	6.40
SR10062R2MS□-□□□	2.2 $\pm$ 20%	35	1k	7.960M	68.0	0.021	11.00	6.00
SR10063R3MS□-□□□	3.3 $\pm$ 20%	34	1k	7.960M	55.0	0.024	9.80	5.50
SR10063R9MS□-□□□	3.9 $\pm$ 20%	34	1k	7.960M	48.0	0.027	8.60	4.90
SR10064R7MS□-□□□	4.7 $\pm$ 20%	33	1k	7.960M	40.0	0.036	7.80	4.20
SR10065R6MS□-□□□	5.6 $\pm$ 20%	33	1k	7.960M	35.0	0.040	7.00	4.00
SR10066R8MS□-□□□	6.8 $\pm$ 20%	33	1k	7.960M	32.0	0.044	6.20	3.70
SR10068R2MS□-□□□	8.2 $\pm$ 20%	31	1k	7.960M	24.0	0.048	6.00	3.50
SR1006100MS□-□□□	10.0 $\pm$ 20%	30	1k	2.520M	21.0	0.060	5.40	3.20
SR1006120MS□-□□□	12.0 $\pm$ 20%	30	1k	2.520M	20.0	0.070	4.70	3.00
SR1006150MS□-□□□	15.0 $\pm$ 20%	30	1k	2.520M	16.0	0.080	4.40	2.70
SR1006180MS□-□□□	18.0 $\pm$ 20%	30	1k	2.520M	15.0	0.090	4.10	2.60
SR1006220MS□-□□□	22.0 $\pm$ 20%	25	1k	2.520M	13.0	0.100	3.60	2.50
SR1006270MS□-□□□	27.0 $\pm$ 20%	25	1k	2.520M	11.0	0.110	3.30	2.44
SR1006330KS□-□□□	33.0 $\pm$ 10%	25	1k	2.520M	10.0	0.120	3.00	2.30
SR1006390KS□-□□□	39.0 $\pm$ 10%	20	1k	2.520M	9.0	0.140	2.70	2.20
SR1006470KS□-□□□	47.0 $\pm$ 10%	20	1k	2.520M	8.0	0.170	2.50	2.00
SR1006560KS□-□□□	56.0 $\pm$ 10%	20	1k	2.520M	7.5	0.190	2.30	1.90
SR1006680KS□-□□□	68.0 $\pm$ 10%	15	1k	2.520M	7.0	0.220	2.10	1.80
SR1006820KS□-□□□	82.0 $\pm$ 10%	15	1k	2.520M	6.0	0.250	2.00	1.70
SR1006101KS□-□□□	100.0 $\pm$ 10%	15	1k	0.796M	5.2	0.350	1.70	1.40
SR1006121KS□-□□□	120.0 $\pm$ 10%	15	1k	0.796M	5.0	0.400	1.60	1.30
SR1006151KS□-□□□	150.0 $\pm$ 10%	15	1k	0.796M	4.5	0.470	1.40	1.20
SR1006181KS□-□□□	180.0 $\pm$ 10%	12	1k	0.796M	4.0	0.630	1.30	1.10
SR1006221KS□-□□□	220.0 $\pm$ 10%	12	1k	0.796M	3.8	0.730	1.20	1.00
SR1006271KS□-□□□	270.0 $\pm$ 10%	12	1k	0.796M	3.5	0.970	1.10	0.90
SR1006331KS□-□□□	330.0 $\pm$ 10%	12	1k	0.796M	3.2	1.150	0.95	0.80
SR1006391KS□-□□□	390.0 $\pm$ 10%	12	1k	0.796M	3.0	1.300	0.85	0.75
SR1006471KS□-□□□	470.0 $\pm$ 10%	12	1k	0.796M	2.5	1.480	0.85	0.70
SR1006561KS□-□□□	560.0 $\pm$ 10%	12	1k	0.796M	2.3	1.900	0.75	0.65
SR1006681KS□-□□□	680.0 $\pm$ 10%	12	1k	0.796M	2.1	2.250	0.70	0.60
SR1006821KS□-□□□	820.0 $\pm$ 10%	10	1k	0.796M	2.0	2.550	0.62	0.50
SR1006102KS□-□□□	1000.0 $\pm$ 10%	29	1k	0.252M	1.9	3.100	0.60	0.40
SR1006122KS□-□□□	1200.0 $\pm$ 10%	32	1k	0.252M	1.8	4.200	0.54	0.35
SR1006152KS□-□□□	1500.0 $\pm$ 10%	31	1k	0.252M	1.7	5.000	0.46	0.32
SR1006182KS□-□□□	1800.0 $\pm$ 10%	31	1k	0.252M	1.6	6.800	0.40	0.28
SR1006222KS□-□□□	2200.0 $\pm$ 10%	31	1k	0.252M	1.5	7.600	0.38	0.25
SR1006272KS□-□□□	2700.0 $\pm$ 10%	32	1k	0.252M	1.4	11.600	0.35	0.21
SR1006332KS□-□□□	3300.0 $\pm$ 10%	32	1k	0.252M	1.3	13.500	0.30	0.20
SR1006392KS□-□□□	3900.0 $\pm$ 10%	31	1k	0.252M	1.2	14.800	0.28	0.19
SR1006472KS□-□□□	4700.0 $\pm$ 10%	32	1k	0.252M	0.8	18.000	0.26	0.16

- 1). Electrical specifications at 25°C
- 2). Isat base on $\Delta L/L0A=10\%$ typ.(Approximately transient current)
- 3). Irms base on Temp. rise 40°C typ.

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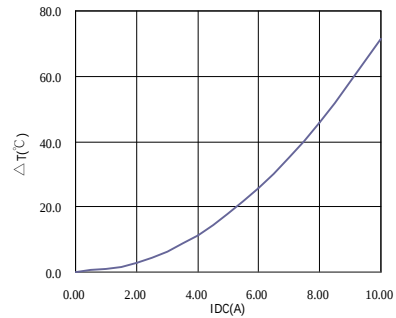
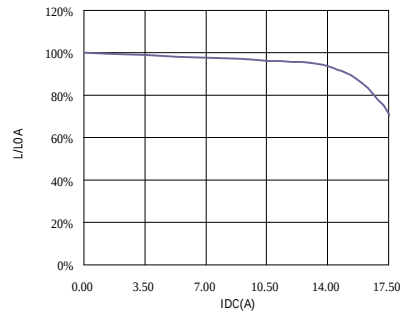
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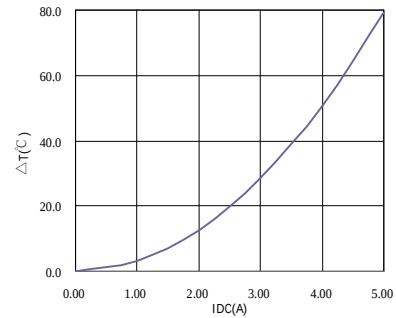
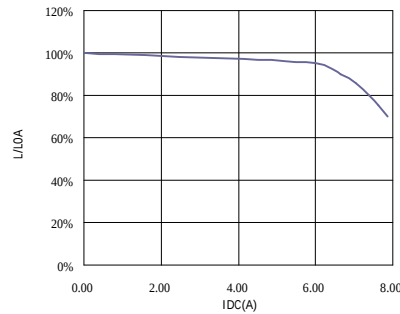
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V . Curve :

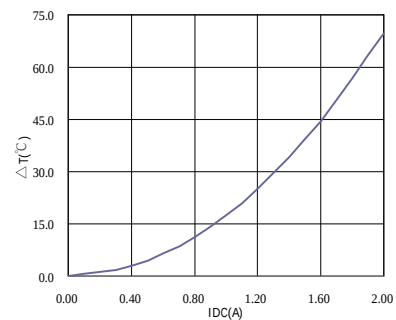
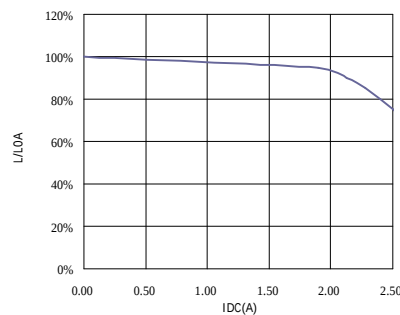
SR10061R5MS□



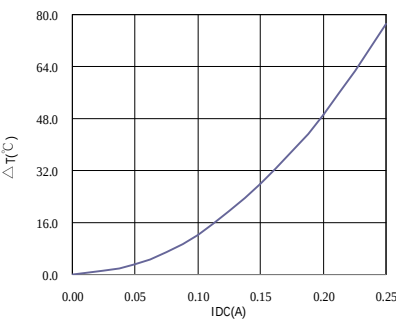
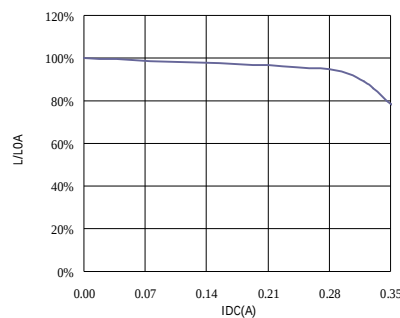
SR1006100MS□



SR1006101KS□



SR1006472KS□



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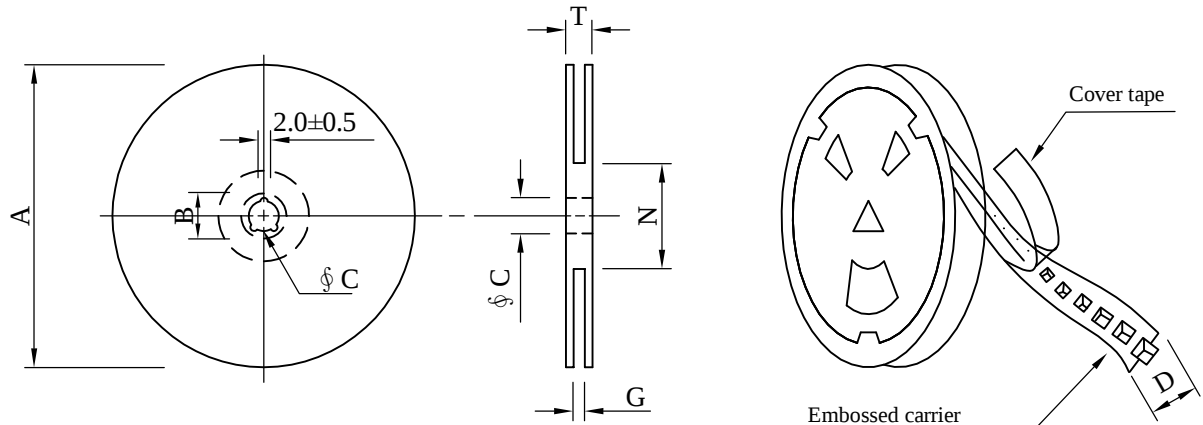
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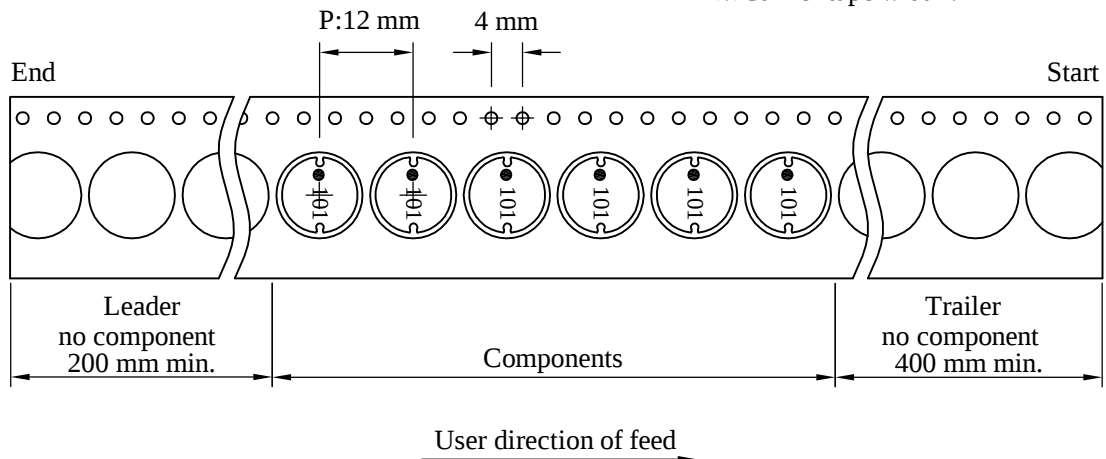
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VI . Packaging information :

(1) Configuration



※Carrier tape width : D



(2) Dimensions

Unit:mm

Style	A	B	C	D	G	N	T
13 - 24	330	21±0.8	13±0.5	24	26 ⁺⁰	60 ⁻⁰	30.4

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

Code	Inner : Reel			Outer : Carton		
	Q'TY (pcs)	G.W. (g)	Style	Q'TY (pcs)	G.W. (kg)	Size (cm)
B 、 C 、 D	800	1,550	13 - 24	3,200	7.5	38 x 37 x 22
E	500	1,140	13 - 24	2,000	5.8	38 x 37 x 22

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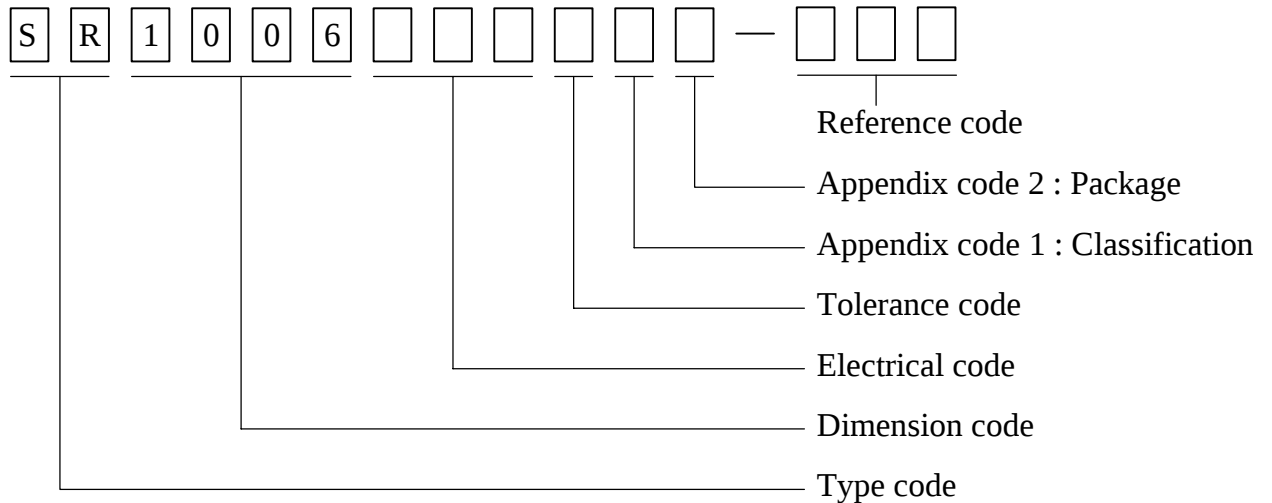
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VII . Drawing number expression :



Appendix code 1 : Product Classification

Appendix code 2 : Package Information

Code	Inner package	Cover tape	Carrier tape	Bag	Package Q'TY	Remark
B	T /R (Reel package)	UCT	Antistatic	Antistatic	800 pcs	
C	T /R (Reel package)	UCT	Antistatic	Antistatic	800 pcs	
D	T /R (Reel package)	UCT	Antistatic	Antistatic	800 pcs	
E	T /R (Reel package)	UCT	Antistatic	Antistatic	500 pcs	

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VII . Reliability test :					
Item	Reference documents	Test Condition		Test Specification	
1.High Temperature Exposure	MIL-STD-202 Method 108	1.Temperature: 125±2°C 2.Time:96±2 hours.		1.No mechanical or electrical damage. 2.Inductance shall not change more than ±10%.	
2.Temperature Cycling	JESD22-A 104	1.Temperature: -40°C ~ +125°C 2.Number of cycle:100 cycles. 3.Dwell time:30 minutes		1.No mechanical or electrical damage. 2.Inductance shall not change more than ±10%.	
3.Biased Humidity Test	MIL-STD-202 Method 103	1.Temperature : 85±2 °C 2.Humidity: 85% RH. 3.Time:96±2 Hours		1.No mechanical or electrical damage. 2.Inductance shall not change more than ±10%.	
4.Operational Life	JESD22-A 108	1.Temperature: 125°C(Temp. rise included) 2.Time:96±2 hours. 3.Rated current		1.No mechanical or electrical damage. 2.Inductance shall not change more than ±10%.	
5.External Visual	JESD22-B 101 & MIL-STD-883 Method 2009	Inspect product constructions, marking and workmanship.		1.No pollution on the surface of products. 2.Clear marking. 3.No crack.	
6.Physical Dimensions	JESD22-B 100	Verify physical dimensions to the applicable product detail specification.		Per product specification standard	
7.Resistance to solvents	MIL-STD-202 Method 215	Immerse into solvent for 3±0.5 minutes & brush 10 times for 3 cycles.		1.No body change in apperaranace. 2.No marking blurred. 3.Inductance shall not change more than ±10%.	
8.Vibration Test	MIL-STD-202 Method 204	1.Frequency and Amplitued : 10-2000-10 Hz, 1.5 mm. 2.Direction:X, Y, Z 3.Test duration:2 hours for each direction, 6 hours in total.		1.No mechanical or electrical damage. 2.Inductance shall not change more than ±10%.	
9.Resistance To Soldering Heat Test	MIL-STD-202 Method 210 & J-STD020D.1	1.Highest temperature : 245±5°C. 2.Time (temp.≥ 217°C) : 60~150 Seconds. 3.IR reflow times : 3 times.		1.No mechanical or electrical damage. 2.Inductance shall not change more than ±10%.	
10.Saturation Current	JIS C 6436 & User SPEC.	1.Applied rated current for 5 seconds. 2.Saturation current		Inductance shall not drop more than 10% typ.	
11.Over load	JIS C 6436 & User SPEC.	1.Applied one and half rated current for a period of 5 minutes. 2.Rated current		No electrical or mechanical damage	
12.Temperature Rise Current	JIS C 6436 & User SPEC.	1.Applied rated current for 10 minutes. 2.Temperature measure by digital surface thermometer. 3.Irms current		Surface temperature rise is less than 40°C typ.	
13.Solderability Test	J-STD-002 & JESD22-B 102	1.Baking in pre-testing : 150±5°C / 16Hours±30 min. 2.Peak temperature : 240±5°C 3.Time (temp.≥217°C) : 60~150 seconds. 4.IR reflow times : 1 time.		More than 95% soldering coverage min on terminations.	
14.Electrical Characteriazation	MIL-STD-202 Method 304 & User SPEC.	1.Operating temperature : -40°C~125°C 2.Room temperature : 25°C.		1.No mechanical or electrical damage. 2.Inductance shall not change more than ±10%.	
15.Drop	CNS-C6354 & GB/T 2423.8	1.Products shall be mounted on SPEC. pcb and dropped down from a heigh of 1m 2.Drop total time : 6 time (Every side ofsample drop 2 times)		1. Adhesion on PCB shall be enough. 2. Product appearance shall not break. 3. No electrical damage.	
16.Terminal Strength Test	IEC 60068-2-21	1.Apply push force to samples mounted on PCB. 2.Force of 1.8 kg for 60±1 seconds.		After test, inductors shall be no mechanical damage.	

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