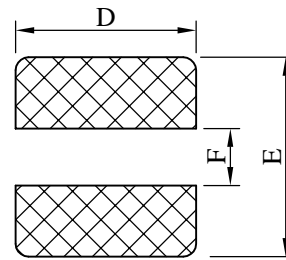
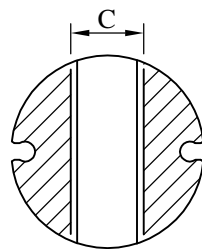
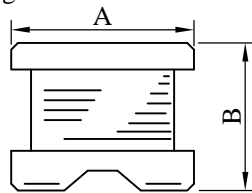
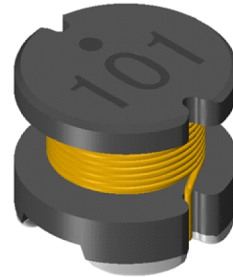
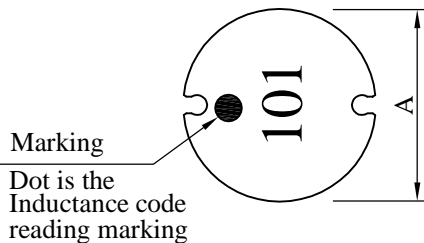


SPECIFICATION FOR APPROVAL

REF. :

PROD. NAME	SMD Power Inductor	ABC'S DWG NO.	SR0604□□□□L□-□□□		
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I . Configuration and dimensions :



(PCB Pattern)

Unit : m/m

A	B	C	D	E	F
5.60 ±0.2	4.50 ±0.3	2.30 ref.	5.80 ref.	6.00 ref.	1.70 ref.

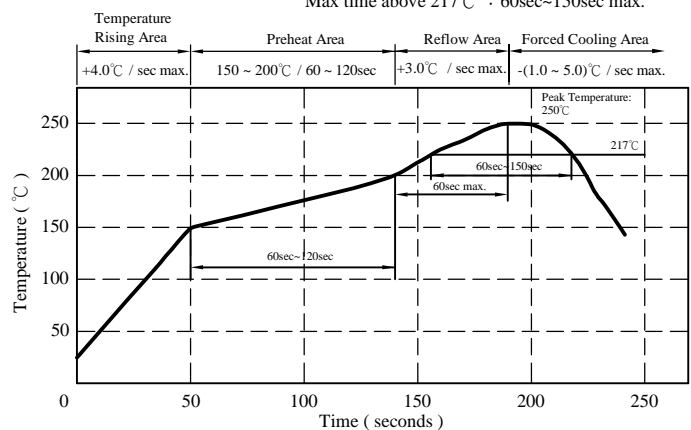
II . Description :

- a . Ferrite drum core construction.
- b . Enamelled copper wire : H class
- c . Product weight : 0.360g (ref.)
- d . Moisture sensitivity Level 1
- e . Products comply with RoHS' requirements
- f . Halogen free available

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 : 250°C .10 secs.

Peak Temp : 250°C max.
Max. Peak Temp - 5°C : 30sec max.
Max time above 217°C : 60sec~150sec max.



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SPECIFICATION FOR APPROVAL

REF. :

PROD. NAME	SMD Power Inductor	ABC'S DWG NO.	SR0604□□□□L□-□□□		
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IV . Electrical characteristics :

DWG No.	Inductance (μH)	Q ref.	Test Freq. (Hz)		SRF (MHz) nom.	RDC (Ω) max.	IDC (A) max.
			L	Q			
SR06041R2ML□-□□□	1.2±20%	35	1k	7.960M	155.0	0.020	4.20
SR06041R5ML□-□□□	1.5±20%	32	1k	7.960M	108.0	0.024	3.60
SR06042R2ML□-□□□	2.2±20%	33	1k	7.960M	79.0	0.031	2.80
SR06042R7ML□-□□□	2.7±20%	22	1k	7.960M	65.0	0.055	2.30
SR06043R3ML□-□□□	3.3±20%	22	1k	7.960M	60.0	0.060	2.00
SR06043R9ML□-□□□	3.9±20%	22	1k	7.960M	40.0	0.065	1.90
SR06044R7ML□-□□□	4.7±20%	20	1k	7.960M	34.0	0.070	1.80
SR06045R6ML□-□□□	5.6±20%	20	1k	7.960M	30.0	0.075	1.70
SR06046R8ML□-□□□	6.8±20%	20	1k	7.960M	28.0	0.080	1.60
SR06048R2ML□-□□□	8.2±20%	20	1k	7.960M	26.0	0.090	1.50
SR0604100ML□-□□□	10.0±20%	30	1k	2.520M	23.0	0.100	1.45
SR0604120ML□-□□□	12.0±20%	30	1k	2.520M	22.0	0.120	1.40
SR0604150YL□-□□□	15.0±15%	30	1k	2.520M	20.0	0.140	1.30
SR0604180YL□-□□□	18.0±15%	30	1k	2.520M	18.0	0.150	1.25
SR0604220YL□-□□□	22.0±15%	30	1k	2.520M	16.0	0.190	1.10
SR0604270YL□-□□□	27.0±15%	28	1k	2.520M	14.0	0.220	1.00
SR0604330KL□-□□□	33.0±10%	24	1k	2.520M	13.0	0.250	0.88
SR0604390KL□-□□□	39.0±10%	24	1k	2.520M	13.0	0.320	0.80
SR0604470KL□-□□□	47.0±10%	22	1k	2.520M	12.0	0.370	0.72
SR0604560KL□-□□□	56.0±10%	22	1k	2.520M	11.0	0.420	0.68
SR0604680KL□-□□□	68.0±10%	22	1k	2.520M	10.0	0.520	0.62
SR0604820KL□-□□□	82.0±10%	20	1k	2.520M	9.0	0.600	0.58
SR0604101KL□-□□□	100.0±10%	20	1k	796k	8.5	0.700	0.52
SR0604121KL□-□□□	120.0±10%	22	1k	796k	6.6	0.930	0.48
SR0604151KL□-□□□	150.0±10%	22	1k	796k	6.2	1.100	0.40
SR0604181KL□-□□□	180.0±10%	20	1k	796k	6.0	1.380	0.38
SR0604221KL□-□□□	220.0±10%	20	1k	796k	5.6	1.570	0.35
SR0604271KL□-□□□	270.0±10%	26	1k	796k	3.9	1.880	0.32
SR0604331KL□-□□□	330.0±10%	25	1k	796k	3.3	2.250	0.27
SR0604391KL□-□□□	390.0±10%	25	1k	796k	3.1	2.480	0.25
SR0604471KL□-□□□	470.0±10%	25	1k	796k	2.9	3.300	0.21
SR0604561KL□-□□□	560.0±10%	24	1k	796k	2.5	4.000	0.18
SR0604681KL□-□□□	680.0±10%	26	1k	796k	2.3	4.650	0.16
SR0604821KL□-□□□	820.0±10%	25	1k	796k	2.0	5.200	0.14

- 1). □ : Packaging information : □ Code
 2). "-□□□" : Reference code
 3). Electrical specifications at 25°C
 4). IDC base on $\Delta L/L0A=10\%$ max. & Temp. rise 40°C max.

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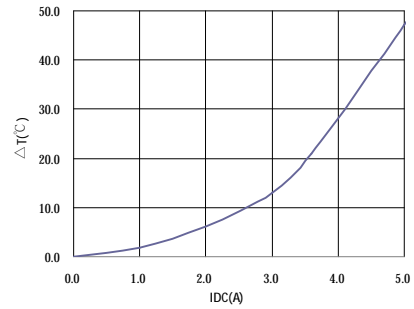
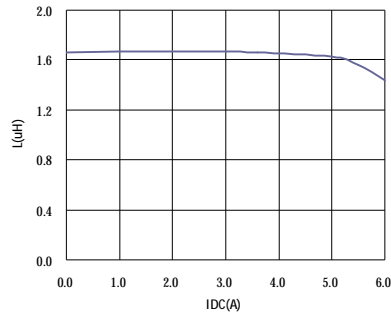
SPECIFICATION FOR APPROVAL

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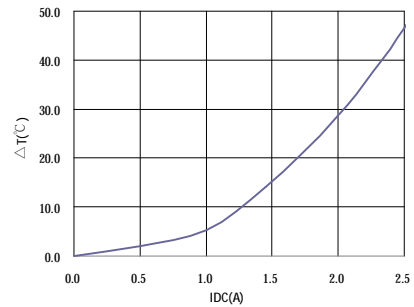
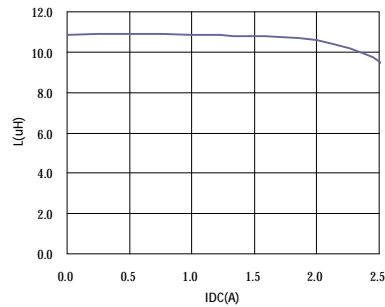
PROD. NAME	SMD Power Inductor	ABC'S DWG NO.	SR0604□□□□L□-□□□		
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V . Curve :

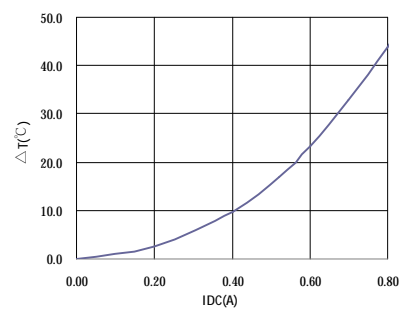
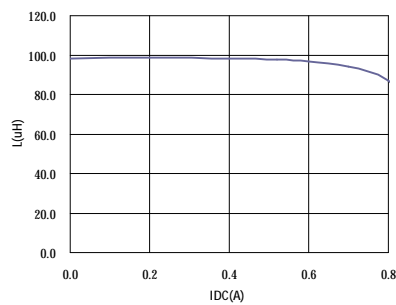
SR06041R5ML□



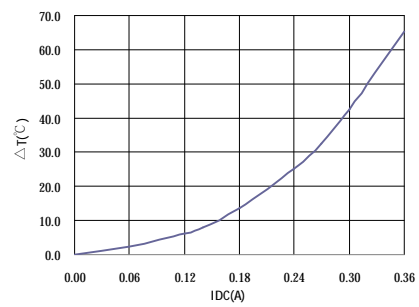
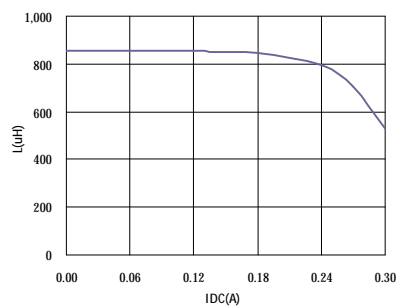
SR0604100ML□



SR0604101KL□



SR0604821KL□



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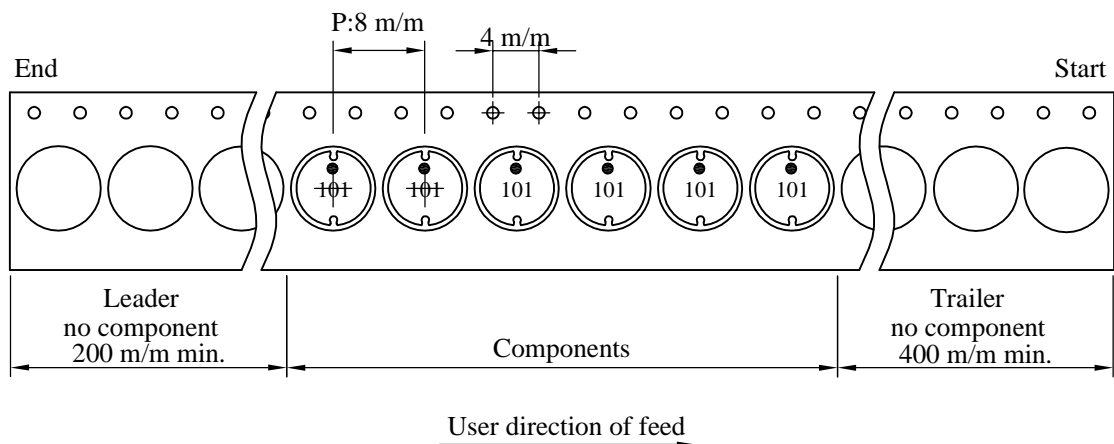
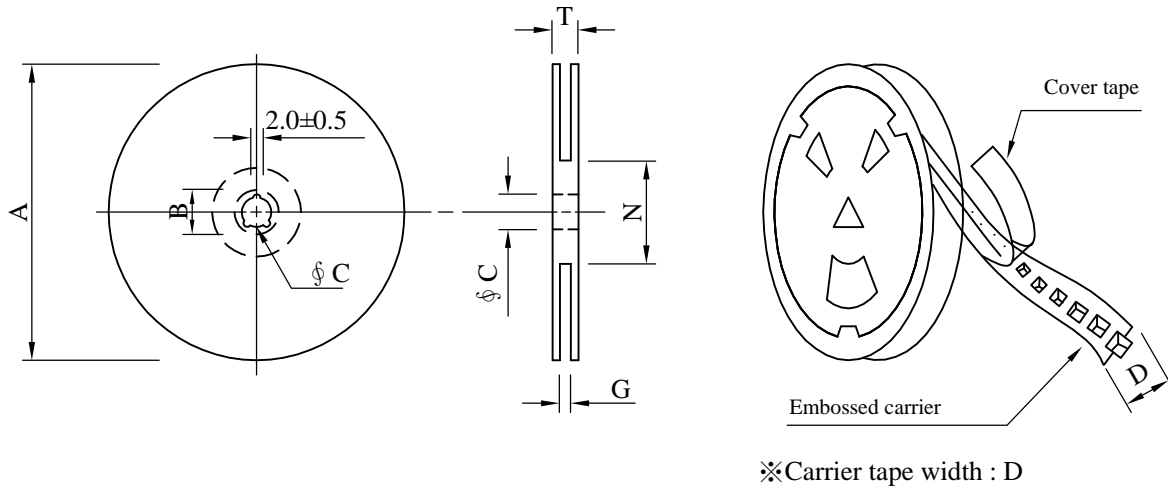
SPECIFICATION FOR APPROVAL

REF. :

PROD. NAME	SMD Power Inductor	ABC'S DWG NO.	SR0604□□□□L□-□□□		
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VI - I . Packaging information :

(1) Configuration



(2) Dimensions

Unit:m/m

Style	A	B	C	D	G	N	T
07 - 12	178	21±0.8	13	12	14 ⁺⁰	50 ⁻⁰	16.5
13 - 12	330	21±0.8	13±0.5	12	14 ⁺⁰	50 ⁻⁰	18.4

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

Code	Inner : Reel			Outer : Carton		
	Q'TY (pcs)	G.W. (gw)	Style	Q'TY (pcs)	G.W. (Kg)	Size (cm)
B	400	260	07 - 12	16,000	11.8	42 x 41 x 24
C	1,500	950	13 - 12	12,000	8.8	38 x 37 x 22

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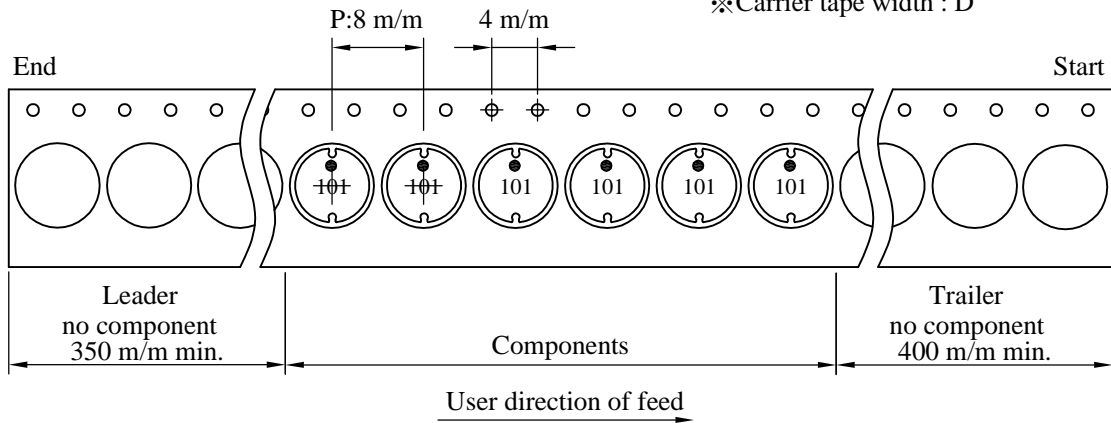
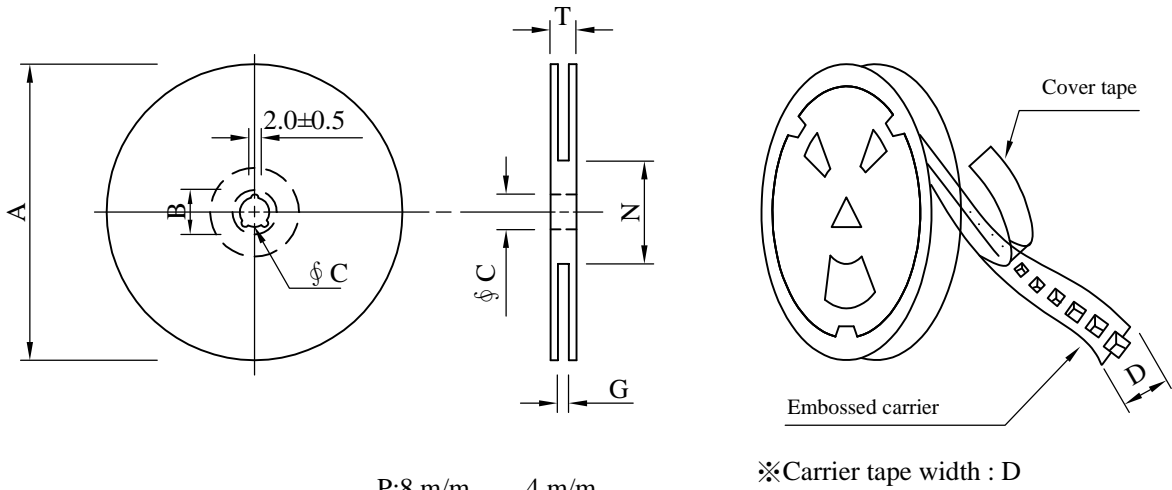
SPECIFICATION FOR APPROVAL

REF. :

PROD. NAME	SMD Power Inductor	ABC'S DWG NO.	SR0604□□□□L□-□□□		
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VI - II . Packaging information :

(1) Configuration



(2) Dimensions

Unit:m/m

Style	A	B	C	D	G	N	T
07 - 16	178	21±0.8	13	16	18 ⁺⁰	50 ⁻⁰	20.5
13 - 16	330	21±0.8	13±0.5	16	18 ⁺⁰	50 ⁻⁰	22.4

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

Code	Inner : Reel			Outer : Carton		
	Q'TY (pcs)	G.W. (gw)	Style	Q'TY (pcs)	G.W. (Kg)	Size (cm)
D	400	260	07 - 16	12,000	9.3	42 x 41 x 24
E	1,500	970	13 - 16	9,000	7.2	38 x 37 x 22

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SPECIFICATION FOR APPROVAL

REF. :

PROD. NAME	SMD Power Inductor	ABC'S DWG NO.	SR0604□□□□L□-□□□		
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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℃ 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℃ ~ +125℃ 2.Number of cycle:100 cycle 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 ℃ 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℃ (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 apperance. 2.No marking blurred. 3.Inductance shall not change more than ±10%.
8.Vibration Test	MIL-STD-202 Method 204	1.Frequency and Amplitud : 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 : 250±5℃. 2.Time (temp. ≥ 217℃) : 60~150 Second. 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 second. 2.Saturation current	Inductance shall not drop more than 10% max.
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℃ max.
13.Solderability Test	J-STD-002 & JESD22-B 102	1.Baking in pre-testing : 150±5℃ / 16Hours±30 min. 2.Peak temperature : 240±5℃ 3.Time (temp. ≥ 217℃) : 60~150 second. 4.IR reflow times : 1 times.	More than 95% soldering coverage min on terminations.
14.Electrical Characteriazation	MIL-STD-202 Method 304 & User SPEC.	1.Operating temperature : -40℃~125℃ 2.Room temperature : 25℃.	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 time)	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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