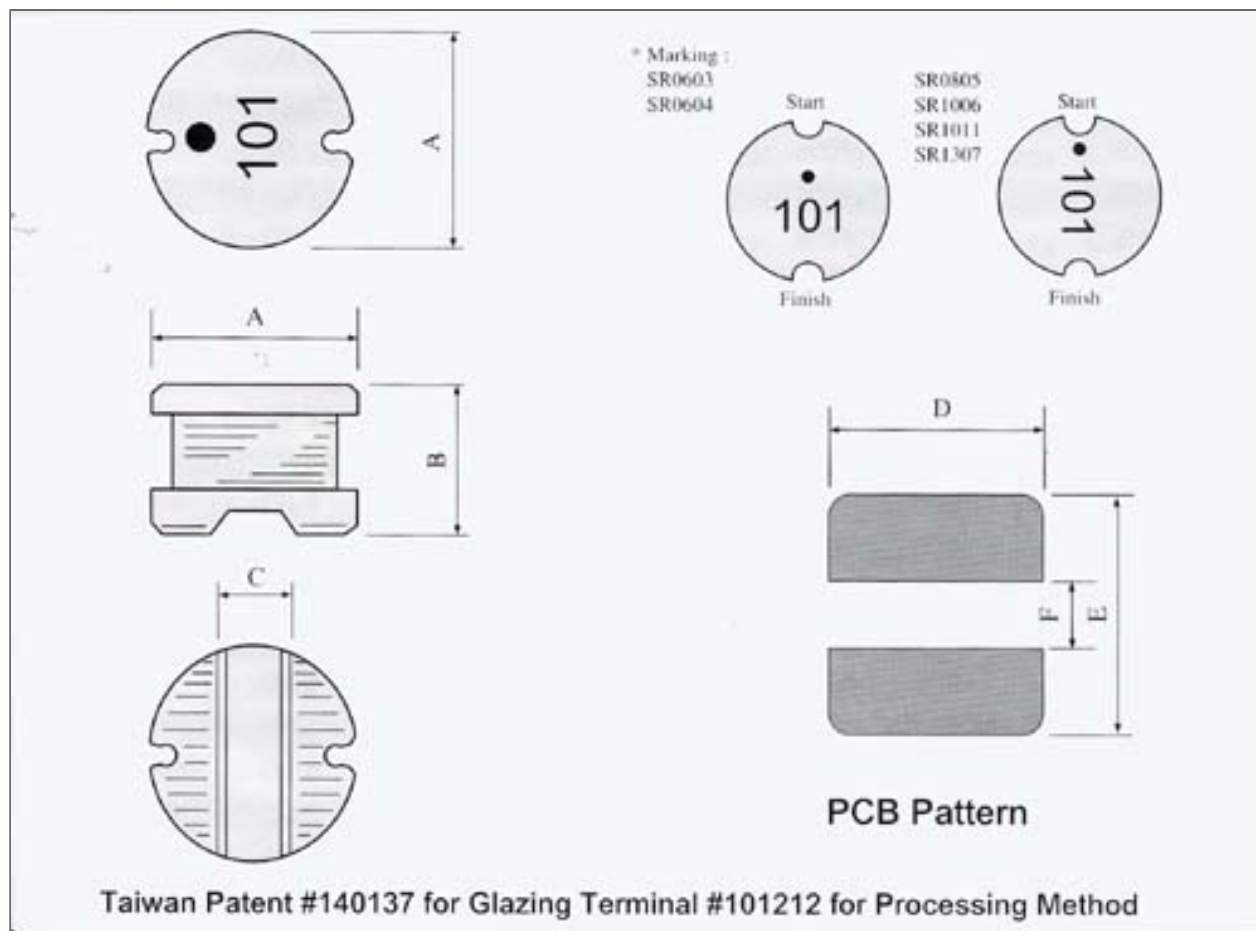


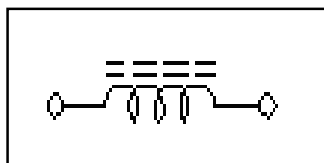
SMD POWER INDUCTOR SR1307 SERIES

Configuration & Dimension:(m/m)



Series	A	B	C(REF.)	D(REF)	E(REF.)	F(REF.)
SR1307	13.00 ±0.7	7.00 ±0.3	5.00	14.00	14.00	4.50

Schematic Diagram:



Materials:



a. Core : Ferrite DR core

b. Wire : Enamelled copper wire

c. Terminal: Ag/Ni/SnPb

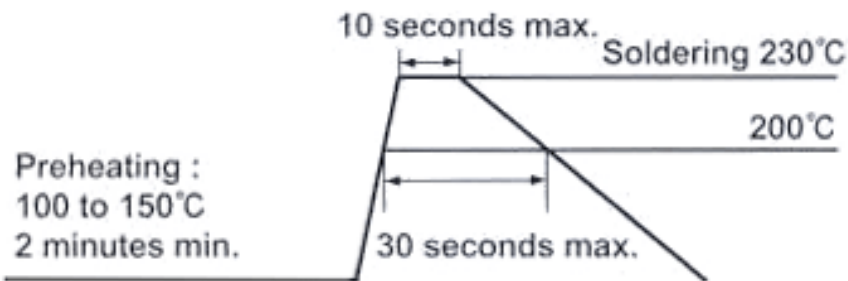
General Specification:

a. Storage temp. : -40°C -- +125°C

b. Operating temp. : -25°C--+105°C

c. Resistance to solder heat : 260°C.10 secs.

**Recommended Soldering Conditions
Reflow Solderings**



Electrical Characteristics:

DWG No.	INDUCTANCE (μ H)	Q REF.	TEST FREQ (HZ)		SRF (MHZ) NOM.	RDC ($m\Omega$) MAX.	I _{rms} (A)	I _{sat} (A)
			L	Q				

SR1307 1R5MS	1.5±20%	20	100K	7.960M	65.0	5.0	9.50	20.00
2R2MS	2.2±20%	22	100K	7.960M	50.0	6.0	9.00	18.00
2R7MS	2.7±20%	24	100K	7.960M	40.0	8.0	8.20	16.00
3R3MS	3.3±20%	26	100K	7.960M	38.0	8.7	7.50	15.00
4R7MS	4.7±20%	25	100K	7.960M	36.0	10.0	7.00	13.00
5R6MS	5.6±20%	24	100K	7.960M	28.0	15.0	6.50	11.00
6R8MS	6.8±20%	24	100K	7.960M	26.0	17.0	6.00	10.50
8R2MS	8.2±20%	24	100K	7.960M	24.0	19.0	5.80	9.80
100MS	10.0±20%	22	100K	2.520M	22.0	21.0	5.60	9.20
120MS	12.0±20%	25	100K	2.520M	20.0	30.0	4.80	8.00
150MS	15.0±20%	28	100K	2.520M	17.0	34.0	4.50	7.50
180MS	18.0±20%	28	100K	2.520M	16.0	36.0	4.20	7.00
220MS	22.0±20%	40	100K	2.520M	15.0	47.0	3.60	6.50
270MS	27.0±20%	35	100K	2.520M	11.0	60.0	3.30	5.50
330KS	33.0±10%	35	100K	2.520M	10.0	65.0	3.10	5.00
390KS	39.0±10%	28	100K	2.520M	9.0	75.0	2.90	4.60
470KS	47.0±10%	24	100K	2.520M	7.5	82.0	2.70	4.20
560KS	56.0±10%	22	100K	2.520M	7.2	100.0	2.50	3.80
680KS	68.0±10%	24	100K	2.520M	7.0	120.0	2.30	3.50
820KS	82.0±10%	18	100K	2.520M	6.0	140.0	2.10	3.20
101KS	100.0±10%	25	100K	0.796M	5.8	180.0	1.90	3.00
121KS	120.0±10%	20	100K	0.796M	5.5	210.0	1.80	2.80
151KS	150.0±10%	20	100K	0.796M	4.5	250.0	1.60	2.60
181KS	180.0±10%	18	100K	0.796M	4.0	280.0	1.50	2.30
221KS	220.0±10%	15	100K	0.796M	3.8	360.0	1.30	2.10
271KS	270.0±10%	15	100K	0.796M	3.5	410.0	1.20	1.80
331KS	330.0±10%	15	100K	0.796M	3.2	520.0	1.10	1.60
391KS	390.0±10%	12	100K	0.796M	2.5	600.0	1.00	1.50
471KS	470.0±10%	12	100K	0.796M	2.2	720.0	0.90	1.40
561KS	560.0±10%	10	100K	0.796M	2.0	880.0	0.85	1.30
681KS	680.0±10%	10	100K	0.796M	1.6	1000.0	0.80	1.20
821KS	820.0±10%	10	100K	0.796M	1.5	1300.0	0.75	1.10
102KS	1000.0±10%	10	100K	0.252M	1.4	1600.0	0.65	1.00

1). Inductance Test Freq. AT 100KHz / 0.1V

2). Irms base on $\Delta T = 40\text{ }^{\circ}\text{C}$ max.

3). Isat base on $\Delta L/L0A = 10\%$ typ.

* : Packaging Information ... : Bulk : 400pcs / Reel