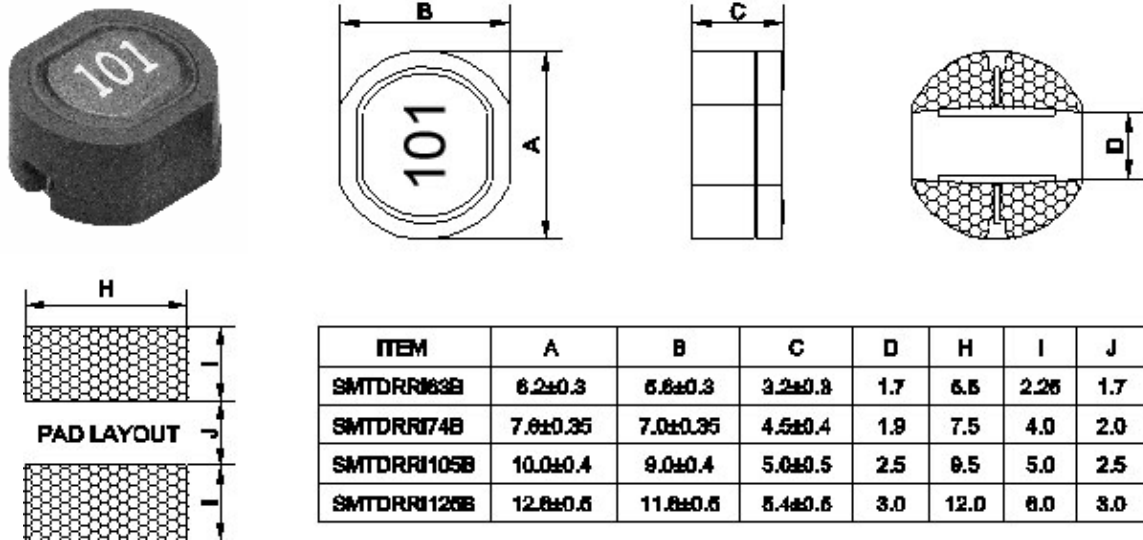


Shape and size : (Dimensions are in mm)

Features :

- Silver Plated Type, Low cost design.
- High power, High saturation inductors.
- With magnetic shield against radiation.
- Ideal inductors for DC-DC conversion.
- Available on tape and reel for auto surface mounting.

Ordering information :

SMT DRRI105B - 101 K

(1) (2) (3) (4)

- (1) Type : **Surface Mountable Type.**
- (2) Style : **DR Core with RI core , 105B is size.**
- (3) Inductance : Example : **101 for 100 uH.**
- (4) Inductance tolerance :
K : ± 10% , L : ± 15% , M : ± 20%.

Inductance and rated current ranges :

- SMTDRRI63B 10~68uH 1.0 ~0.42A
- SMTDRRI74B 10~270uH 1.65~0.33A
- SMTDRRI105B 10~470uH 2.06~0.33A
- SMTDRRI125B 10~820uH 2.65~0.36A

Characteristics :

- Rated DC Current: It is either the inductance is 10% (125B is 25%) lower than its initial value in D.C. saturation characteristics or temperature raise becomes $\Delta T=40^{\circ}\text{C}$ ($T_a=20^{\circ}\text{C}$), whichever is lower.
- Operating temperature : -20°C to 80°C .

Applications :

- Test equipments :
L @ 1KHz by Agilent 4284A LCR meter .
L @ 2.52 MHz by Agilent 4285A LCR meter.
DCR tested by Milli-ohm meter.
- Electrical specifications at 25°C .
- Power supply for VTRs.
- LCD televisions.
- Notebook PCs.
- Portable communication equipment.
- DC/DC converters, etc.

Part No.	L (μ H)	DC Resistance (OHM)Max.				Rated DC Current (Amp)Max.			
		63B	74B	105B	125B	63B	74B	105B	125B
100	10	0.14	0.07	0.06	0.05	1.00	1.65	2.06	2.65
120	12	0.16	0.07	0.07	0.05	0.94	1.57	1.94	2.50
150	15	0.18	0.08	0.07	0.06	0.86	1.39	1.72	2.45
180	18	0.25	0.10	0.08	0.06	0.78	1.29	1.58	2.40
220	22	0.32	0.13	0.08	0.07	0.76	1.12	1.42	2.20
270	27	0.36	0.16	0.10	0.08	0.64	1.06	1.32	2.00
330	33	0.41	0.18	0.11	0.10	0.61	0.97	1.16	1.80
390	39	0.47	0.18	0.12	0.11	0.53	0.91	1.10	1.65
470	47	0.51	0.27	0.14	0.12	0.50	0.80	1.00	1.50
560	56	0.72	0.29	0.19	0.15	0.46	0.76	0.93	1.38
680	68	0.82	0.33	0.21	0.17	0.42	0.68	0.85	1.26
820	82		0.43	0.28	0.20		0.62	0.79	1.14
101	100		0.49	0.34	0.25		0.55	0.72	1.05
121	120		0.68	0.37	0.28		0.49	0.63	0.95
151	150		0.94	0.51	0.40		0.44	0.55	0.85
181	180		1.00	0.57	0.48		0.40	0.50	0.77
221	220		1.18	0.78	0.52		0.36	0.47	0.70
271	270		1.30	0.87	0.70		0.33	0.41	0.63
331	330			1.20	0.80			0.37	0.57
391	390			1.34	1.08			0.35	0.52
471	470			1.50	1.20			0.33	0.48
561	560				1.34				0.44
681	680				1.78				0.40
821	820				2.00				0.36

Note:
Measuring Freq.(L):10~82uH (2.52MHz 0.25V) 100~470uH(1KHz 0.25V)

Tolerance of Inductance :

SMTDRRI63B	10~27uH \pm 20%(M)	33~68uH \pm 15%(L)	
SMTDRRI74B	10~27uH \pm 20%(M)	33~82uH \pm 15%(L)	100~270uH \pm 10%(K)
SMTDRRI105B	10~27uH \pm 20%(M)	33~82uH \pm 15%(L)	100~470uH \pm 10%(K)
SMTDRRI125B	10~18uH \pm 20%(M)	22~820uH +20% -15%(M)	