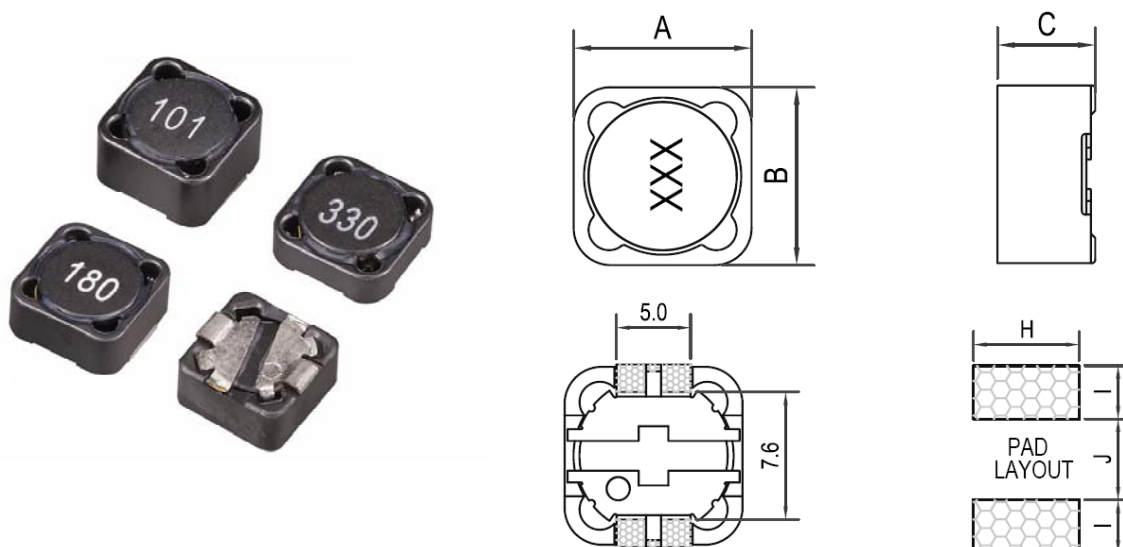


Shape and size: (Dimensions are in mm)


ITEM	A	B	C (max)	H	I	J
SMTDRRI129	12.0±0.5	12.0±0.5	10	5.4	2.9	7.0

Features:

- High power, High saturation inductors
- With magnetic shield against radiation
- Directly connected electrode on ferrite core.
- Magnetically shielded construction.
- Highly accurate dimensions for automatic mounting
- RoHS compliant.

Ordering information:

SMT DRRI129 - 100 M

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

(1) Type: Surface mountable type.

(2) Style: DR core with RI Shield.

(3) Inductance: 100 for 10.0 uH.

(4) Inductance tolerance: M: ± 20%. N: ± 30%.

Inductance and rated current ranges:

• SMTDRRI129 1.2~2.2mH 0.43~19.9A

• Test equipments :

L tested by Agilent 4284A Precision LCR meter.

DCR tested by Milli-ohm meter.

• Electrical specifications at 25°C .

Characteristics:

• Saturation Rated Current: The current when the inductance becomes 25% lower than its initial value. (Ta=20°C)

• Temperature Rise Current: The current when temperature of coil increases up to Max. ΔT=40°C . (Ta=20°C)

• Operating temperature : -40 °C to 125 °C .

Applications:

• Power supply for VTRs

• Notebook PCs

• DC/DC converters, etc.

Part No.	Stamp	Inductance L (uH)	Test Freq. (1V)	DCR mOHM Max. (Typ.)	Saturation Rated Current (A) Max.	Temperature Rise current (A) Max.
					25°C	
1R0N	1R0	1.0	100 KHz	6.5 (4.4)	19.9	11.6
1R8N	1R8	1.8	100 KHz	7.5 (5.2)	13.4	11.0
2R5N	2R5	2.5	100 KHz	9.0 (6.4)	12.2	10.3
3R5N	3R5	3.5	100 KHz	10.7 (7.7)	12.0	8.70
4R7N	4R7	4.7	100 KHz	12 (8.9)	10.1	8.40
6R8N	6R8	6.8	100 KHz	13(9.9)	8.56	7.10
7R5N	7R5	7.5	100 KHz	15 (11)	8.48	6.80
100N	10	10.0	1.0 KHz	18 (14)	7.12	6.95
120M	120	12.0	1.0 KHz	19 (15)	7.04	6.20
150M	150	15.0	1.0 KHz	26 (21)	5.84	5.22
220M	220	22.0	1.0 KHz	29 (23)	5.12	4.95
330M	330	22.0	1.0 KHz	53 (42)	4.25	3.60
470M	470	47.0	1.0 KHz	63(50)	3.60	3.45
560M	560	56.0	1.0 KHz	68(54)	2.85	2.95
680M	680	68.0	1.0 KHz	93(74)	2.76	2.85
820M	820	82.0	1.0 KHz	99(79)	2.62	2.60
101M	101	100.0	1.0 KHz	126(101)	2.31	2.45
121M	121	120.0	1.0 KHz	154(123)	2.05	2.20
151M	151	150.0	1.0 KHz	174(139)	1.80	1.90
181M	181	180.0	1.0 KHz	191(153)	1.66	1.86
221M	221	220.0	1.0 KHz	246(197)	1.64	1.72
331M	331	330.0	1.0 KHz	386(309)	1.28	1.28
471M	471	470.0	1.0 KHz	471(377)	1.06	1.25
561M	561	560.0	1.0 KHz	650(520)	1.01	0.98
681M	681	680.0	1.0 KHz	730(584)	0.83	0.96
821M	821	820.0	1.0 KHz	824(659)	0.81	0.94
102M	102	1000.0	1.0 KHz	1200(970)	0.70	0.78
122M	122	1200.0	1.0 KHz	1330(1110)	0.64	0.79
152M	152	1500.0	1.0 KHz	1990(1660)	0.56	0.58
182M	182	1800.0	1.0 KHz	2180(1820)	0.48	0.54
222M	222	2200.0	1.0 KHz	2580(2150)	0.43	0.52