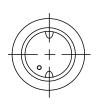


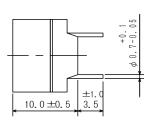


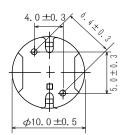




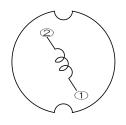
Dimension - [mm]







Schematics - [mm]



Description

- Ferrite drum core construction.
- Magnetically shielded.
- L × W × H: 10.5 × 10.5 × 10.5 mm Max.
- Product weight: 2.9 g(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.

Environmental Data

- Operating temperature range: -40°C ~+85°C (including coil's self temperature rise)
- Storage temperature range: -40°C ~+85°C

Packaging

· Box packaging.

Applications

• Ideally used in Printers, LCD TV, DVD, Copy Machine, Mainboard of the compounding machines etc. as DC-DC Converter inductors.

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Electrical Characteristics

Part Name	Stamp	Inductance (μΗ) [Within] ※1	D.C.R. (mΩ) Max. (Typ.) (at 20℃)	Saturation Current (A) ※2		Temperature Rise current
				(at 20°C)	(at 105℃)	(A) ※3
RCR1010NP-100M	100M	10μH±20%	25.1(20.1)	4.8	3.8	4.3
RCR1010NP-120M	120M	12µH±20%	26.6(21.3)	4.5	3.5	4.2
RCR1010NP-150M	150M	15µH±20%	31.3(25.1)	4.0	3.2	4.1
RCR1010NP-180M	180M	18µH±20%	33.8(27.1)	3.8	2.9	4.0
RCR1010NP-220M	220M	22μH±20%	38.3(30.6)	3.4	2.6	3.8
RCR1010NP-270M	270M	27μH±20%	40.9(32.7)	3.0	2.5	3.6
RCR1010NP-330M	330M	33µH±20%	53.8(43.1)	2.7	2.2	3.2
RCR1010NP-390M	390M	39µH±20%	73.4(58.7)	2.5	2.0	2.5
RCR1010NP-470M	470M	47µH±20%	102.1(81.7)	2.2	1.8	2.2
RCR1010NP-560M	560M	56µH±20%	111.3(89.0)	2.1	1.7	2.1
RCR1010NP-680M	680M	68µH±20%	137.5(110.0)	1.8	1.4	1.9
RCR1010NP-820M	820M	82µH±20%	160.0(128.0)	1.7	1.3	1.8
RCR1010NP-101M	101M	100µH±20%	175.3(140.2)	1.5	1.2	1.7
RCR1010NP-121M	121M	120µH±20%	193.8(155.0)	1.4	1.1	1.6
RCR1010NP-151M	151M	150µH±20%	225.6(180.5)	1.2	1.0	1.5
RCR1010NP-181M	181M	180µH±20%	275.3(220.2)	1.1	0.9	1.4
RCR1010NP-221M	221M	220µH±20%	313.0(250.5)	1.0	0.8	1.3
RCR1010NP-271M	271M	270µH±20%	450.6(360.5)	0.95	0.74	1.0
RCR1010NP-331M	331M	330µH±20%	500.6(400.5)	0.88	0.64	0.98
RCR1010NP-391M	391M	390µH±20%	563.0(450.5)	0.78	0.60	0.94
RCR1010NP-471M	471M	470µH±20%	748.8(599.0)	0.72	0.58	0.80
RCR1010NP-561M	561M	560µH±20%	848.8(682.9)	0.68	0.55	0.75
RCR1010NP-681M	681M	680µH±20%	1202(962.0)	0.60	0.48	0.63
RCR1010NP-821M	821M	820µH±20%	1342(1074)	0.57	0.45	0.60
RCR1010NP-102M	102M	1.0mH±20%	1490(1192)	0.48	0.39	0.55

^{%1.} Inductance measuring condition: at 100kHz.

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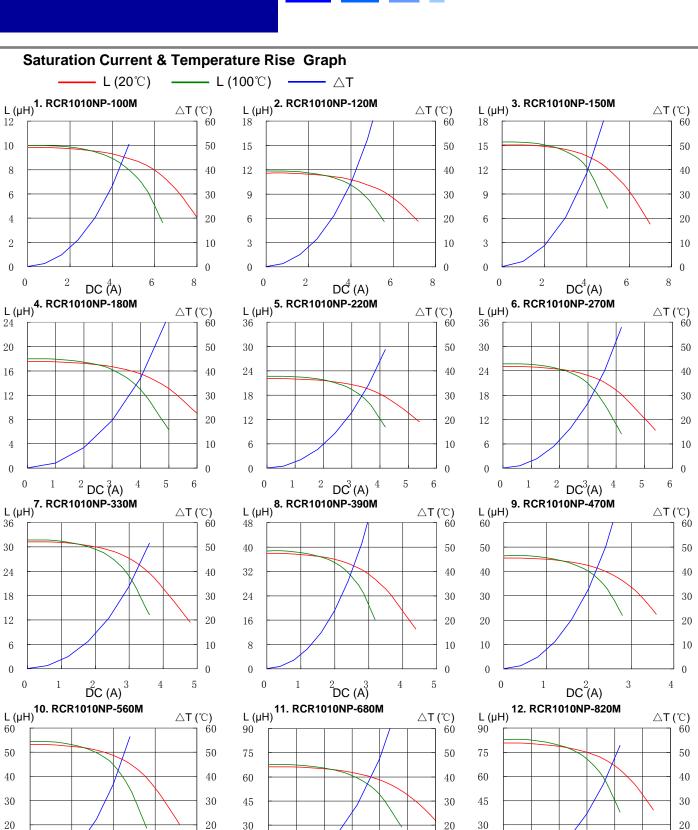
^{**2.} Saturation current: The value of D.C. current when the inductance decreases to 80% of it's nominal value.

³. Temperature rise current: The value of D.C. current when the temperature rise is $\Delta t = 40 \, ^{\circ}\text{C}$ (Ta=20 $^{\circ}\text{C}$).

DC (A)

0.0 0.5 1.0 D. 5 (A)



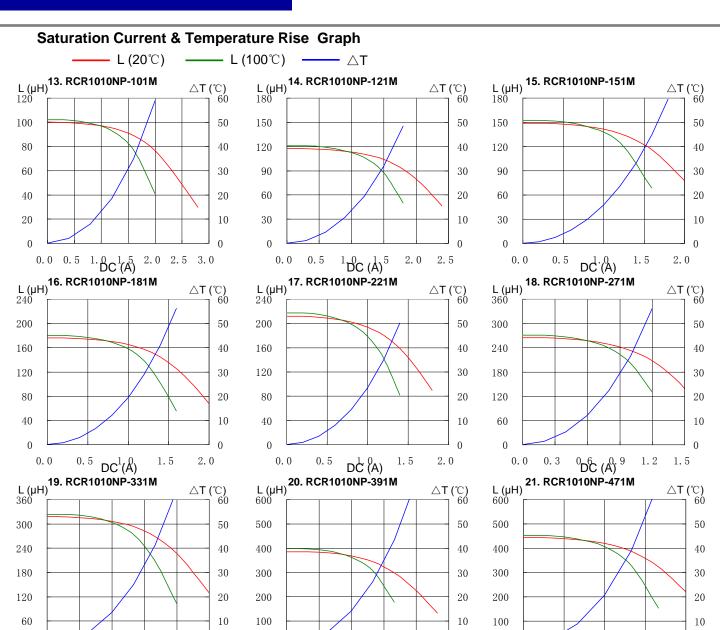


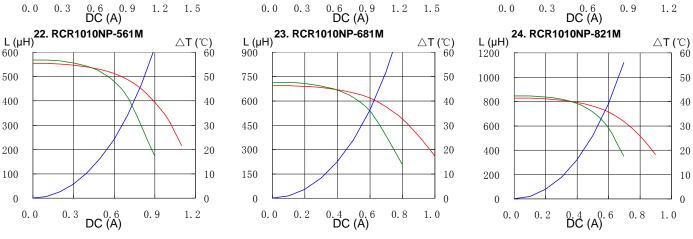
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1.0 DC (A) 2.0 2.5 3.0

2.5 3.0







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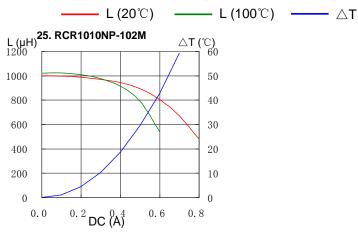
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Saturation Current & Temperature Rise Graph



Please refer to the sales offices on our website - http://www.sumida.com

Hong Kong

Tel.+852-2880-6781 FAX.+852-2565-9600 sales@hk.sumida.com

Saitama(Japan)

Tel.+81-48-691-7300 FAX.+81-48-691-7340 sales@jp.sumida.com

Chicago

Tel.+1-847-545-6700 FAX. +1-847-545-6720 sales@us.sumida.com Shanghai

Tel.+86-21-5836-3299 FAX.+86-21-5836-3266

shanghai.sales@cn.sumida.com

Seoul

Tel.+82-2-6237-0777 FAX.+82-2-6237-0778 sales@kr.sumida.com

Obernzell

Tel.+49-8591-937-0 FAX. +49-8591-937-103 contact@eu.sumida.com Shenzhen

Tel.+86-755-8291-0228 FAX.+86-755-8291-0338

sales@sg.sumida.com

shenzhen.sales@cn.sumida.com

Singapore

Tel.+65-6296-3388 FAX.+65-6841-4426

Neumarkt

Tel.+49-9181-4509-110 FAX. +49-9181-4509-310 infocomp@eu.sumida.com

Page 5 of 5

Taipei

Tel.+886-2-8751-2737 FAX.+886-2-8751-2738

sales@tw.sumida.com

San Jose

Tel.+1-408-321-9660 FAX.+1-408-321-9308 sales@us.sumida.com

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