

# PIN Power Inductor RCR-664D



## Description

- Ferrite drum core construction.
- Magnetically shielded.
- L × W × H: 6.5 × 6.5 × 6.5mm Max.
- Product weight: 0.6g(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

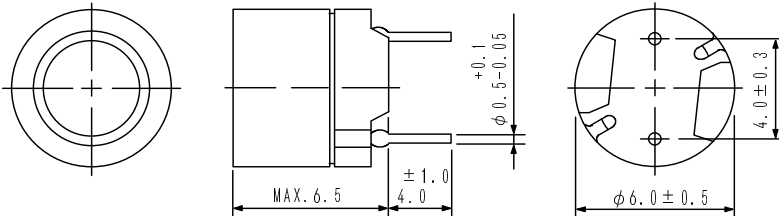
## Packaging

- Box packaging.

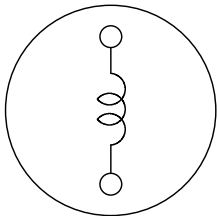
## Applications

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

## Dimension - [mm]



## Schematics - [mm]



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## Electrical Characteristics

PART NO.	STAMP	INDUCTANCE [WITHIN] ※1	D.C.R. ( $\Omega$ ) [MAX.] (at 20°C)	RATED CURRENT (mA) ※2
RCR664DNP-2R7M	2R7	2.7 $\mu$ H $\pm$ 20 %	42m	2420
RCR664DNP-3R3M	3R3	3.3 $\mu$ H $\pm$ 20 %	47m	2130
RCR664DNP-3R9M	3R9	3.9 $\mu$ H $\pm$ 20 %	50m	2000
RCR664DNP-4R7M	4R7	4.7 $\mu$ H $\pm$ 20 %	56m	1900
RCR664DNP-5R6M	5R6	5.6 $\mu$ H $\pm$ 20 %	62m	1810
RCR664DNP-6R8M	6R8	6.8 $\mu$ H $\pm$ 20 %	66m	1620
RCR664DNP-8R2M	8R2	8.2 $\mu$ H $\pm$ 20 %	71m	1470
RCR664DNP-100L	100	10 $\mu$ H $\pm$ 15 %	81m	1330
RCR664DNP-120L	120	12 $\mu$ H $\pm$ 15 %	91m	1180
RCR664DNP-150L	150	15 $\mu$ H $\pm$ 15 %	104m	1120
RCR664DNP-180L	180	18 $\mu$ H $\pm$ 15 %	116m	1000
RCR664DNP-220L	220	22 $\mu$ H $\pm$ 15 %	0.13	960
RCR664DNP-270L	270	27 $\mu$ H $\pm$ 15 %	0.18	870
RCR664DNP-330L	330	33 $\mu$ H $\pm$ 15 %	0.21	780
RCR664DNP-390L	390	39 $\mu$ H $\pm$ 15 %	0.26	720
RCR664DNP-470L	470	47 $\mu$ H $\pm$ 15 %	0.29	660
RCR664DNP-560K	560	56 $\mu$ H $\pm$ 10 %	0.33	600
RCR664DNP-680K	680	68 $\mu$ H $\pm$ 10 %	0.36	550
RCR664DNP-820K	820	82 $\mu$ H $\pm$ 10 %	0.39	500
RCR664DNP-101K	101	100 $\mu$ H $\pm$ 10 %	0.54	450
RCR664DNP-121K	121	120 $\mu$ H $\pm$ 10 %	0.62	410
RCR664DNP-151K	151	150 $\mu$ H $\pm$ 10 %	0.72	370
RCR664DNP-181K	181	180 $\mu$ H $\pm$ 10 %	0.88	340
RCR664DNP-221K	221	220 $\mu$ H $\pm$ 10 %	0.99	300
RCR664DNP-271K	271	270 $\mu$ H $\pm$ 10 %	1.52	270
RCR664DNP-331K	331	330 $\mu$ H $\pm$ 10 %	1.69	250
RCR664DNP-391K	391	390 $\mu$ H $\pm$ 10 %	1.85	230
RCR664DNP-471K	471	470 $\mu$ H $\pm$ 10 %	2.85	210
RCR664DNP-561K	561	560 $\mu$ H $\pm$ 10 %	3.21	190
RCR664DNP-681K	681	680 $\mu$ H $\pm$ 10 %	3.60	170
RCR664DNP-821K	821	820 $\mu$ H $\pm$ 10 %	4.87	160
RCR664DNP-102K	102	1.0 mH $\pm$ 10 %	5.56	140

※1: Inductance measuring condition: 2.7  $\mu$  H ~ 8.2  $\mu$  H at 7.96 MHz  
 10  $\mu$  H ~ 82  $\mu$  H at 2.52 MHz  
 100  $\mu$  H ~ 1.0mH at 1 kHz

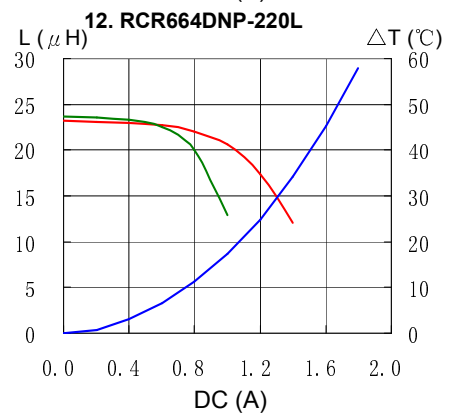
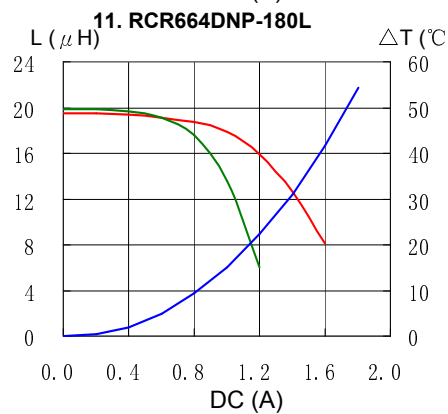
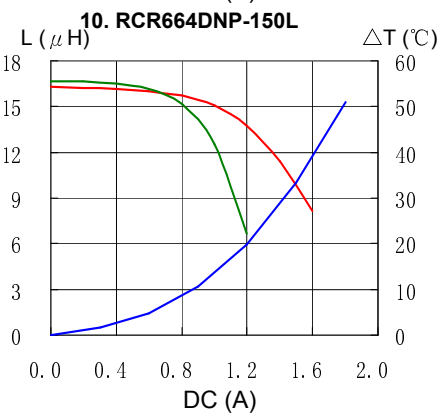
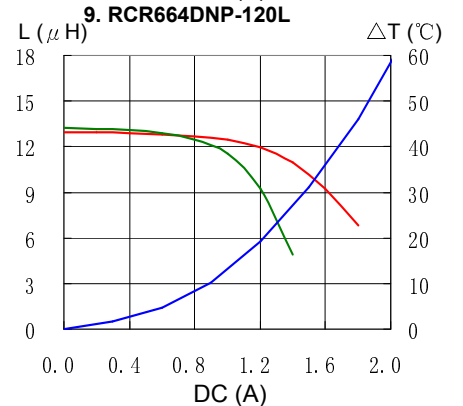
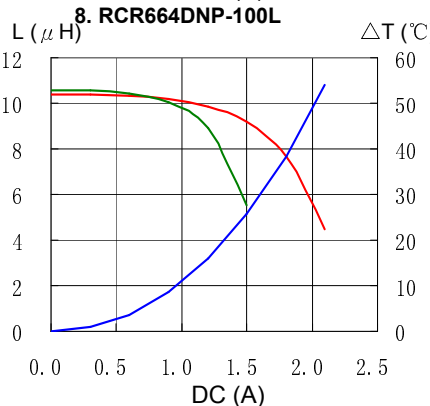
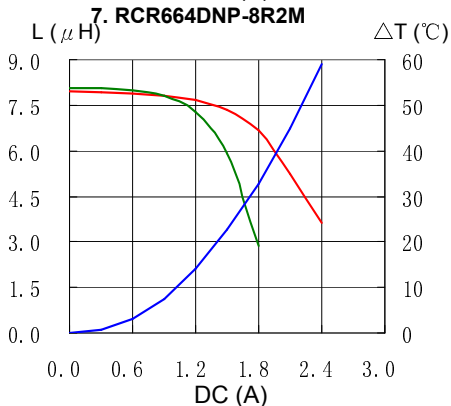
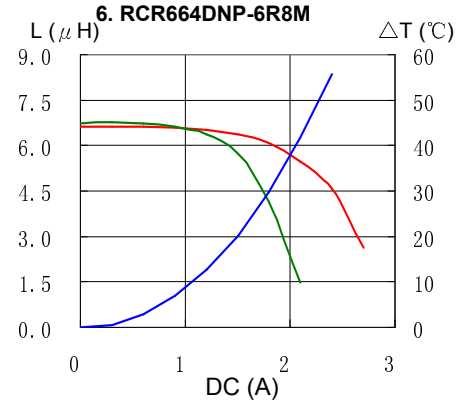
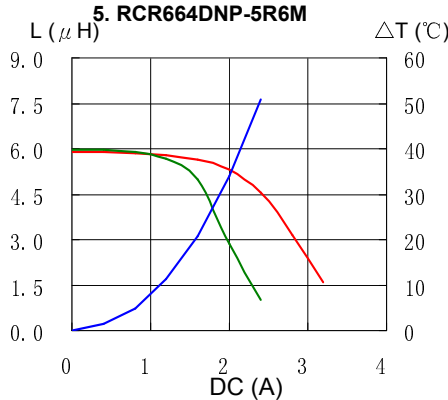
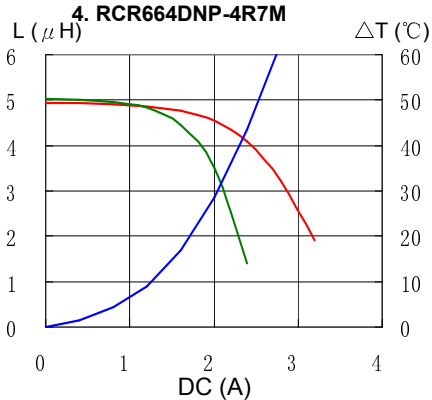
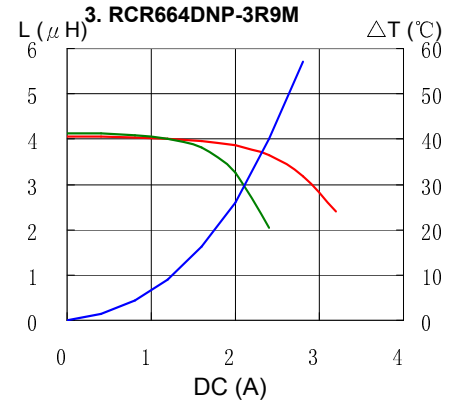
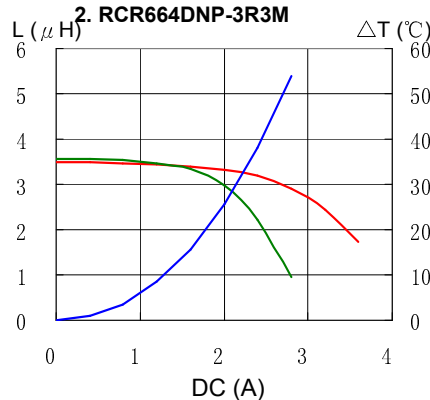
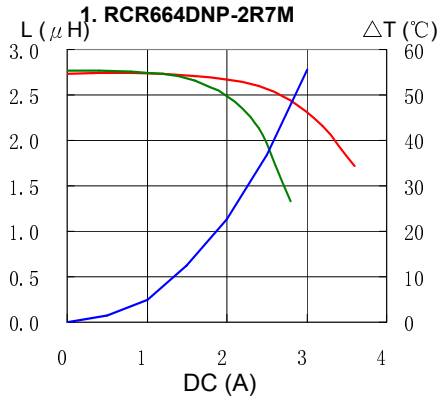
※2: The rated current indicates the lower value of current when the inductance is 10% lower than its initial value at D.C. superposition or the temperature of coil rises 40°C with D.C. current passing. (Ta=20°C)

# PIN Power Inductor RCR-664D



## Saturation Current & Temperature Rise Graph

— L (20°C) — L (100°C) —  $\Delta T$

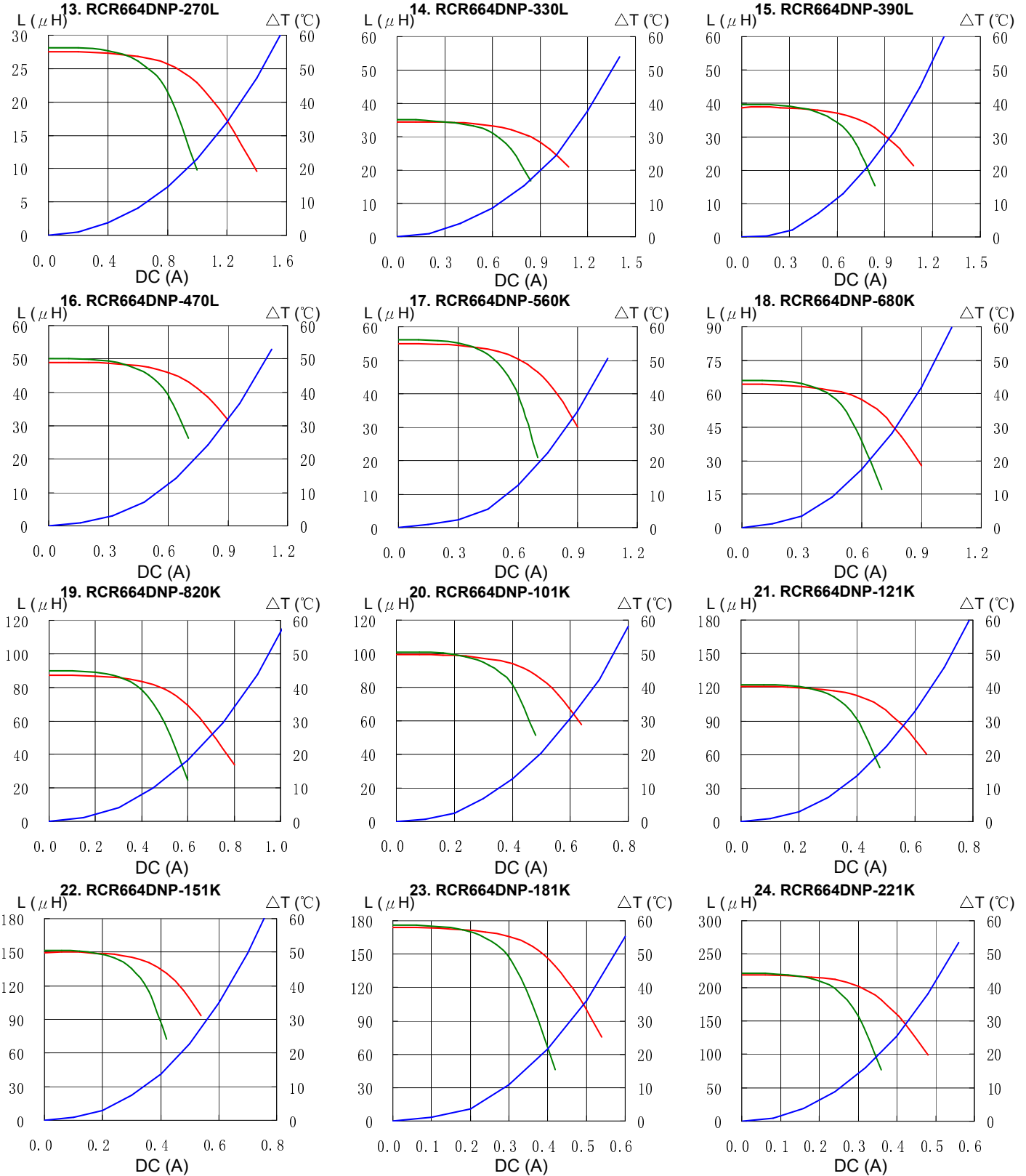


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