

PIN Power Inductor RP1315



Description

- Ferrite drum core construction.
- Magnetically shielded.
- L × W × H: 13.0 × 13.0 × 15.0mm Max.
- Product weight: 6.1g (Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.

Environmental Data

- Operating temperature range: -40°C~+100°C (including coil's self temperature rise)
- Storage temperature range: -40°C~+100°C

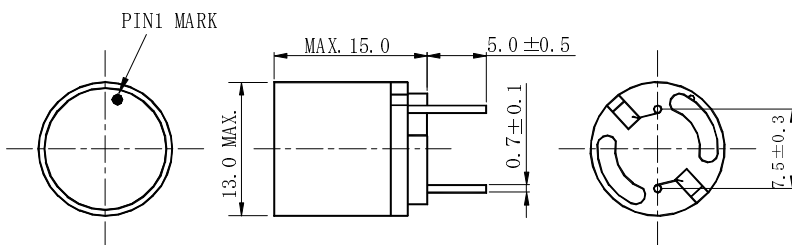
Packaging

- Box packaging.

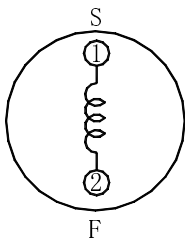
Applications

- Ideally used in Printers, LCD TV, DVD, Copy Machine ,etc as DC-DC Converter inductors.

Dimension - [mm]



Schematics - [mm]



Electrical Characteristics

PART NO.	STAMP	INDUCTANCE [WITHIN] ※1	D.C.R. (mΩ) [MAX.] (at 20°C)	DC SUPERPOSITION CURRENT (A) ※2	TEMPERATURE RISE CURRENT (A) ※3
RP1315NP-100	100	10 μH ±30%	19.0	8.1	4.5
RP1315NP-150	150	15 μH ±30%	27.4	6.3	4.0
RP1315NP-220	220	22 μH ±30%	44.2	5.4	3.5
RP1315NP-270	270	27 μH ±30%	56.3	4.8	3.0
RP1315NP-330	330	33 μH ±30%	70.0	4.5	2.3

※1. Inductance measuring condition: at 1kHz.

※2. DC Superposition current: The value of D.C. current when the inductance decreases to 90% of it's nominal value.

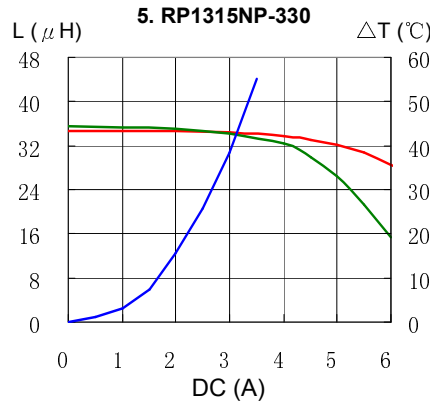
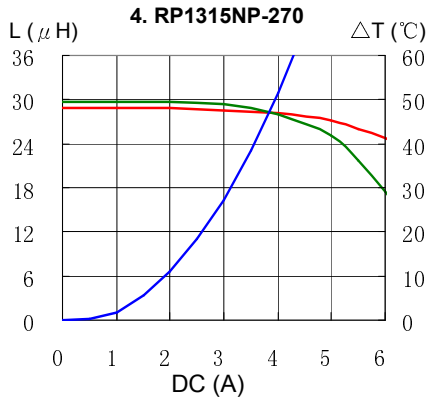
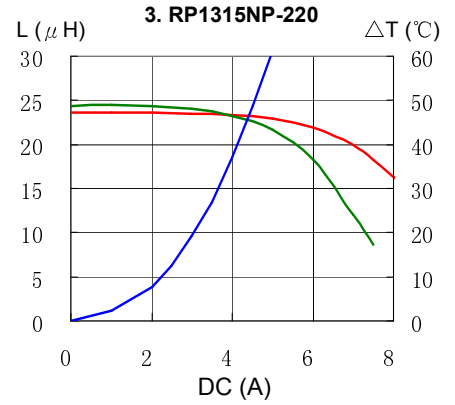
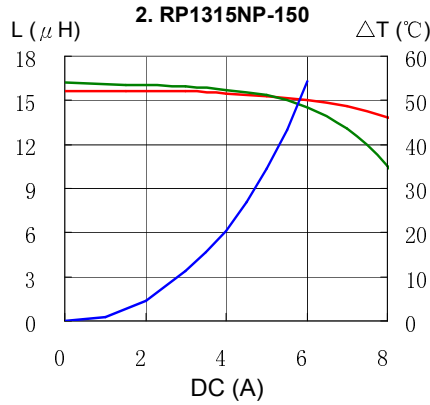
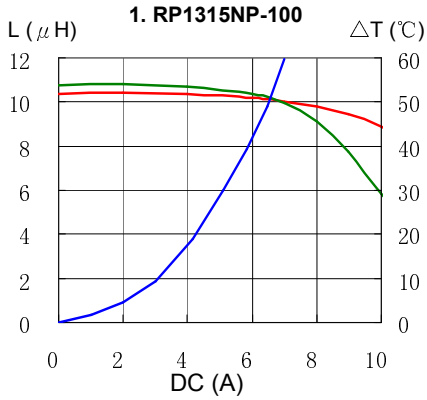
※3. Temperature current: The value of D.C. current when the temperature rise is Δt=40°C (Ta=20°C).

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Saturation Current & Temperature Rise Graph

— L (20°C) — L (100°C) — ΔT



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