

PIN Power Inductor DEPI1615



Halogen Free



Description

- Ferrite core construction.
- Magnetically shielded.
- L × W × H: 16.0 × 15.2 × 14.0 mm Max.
- Product weight: 11.5g(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Halogen Free available.

Environmental Data

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

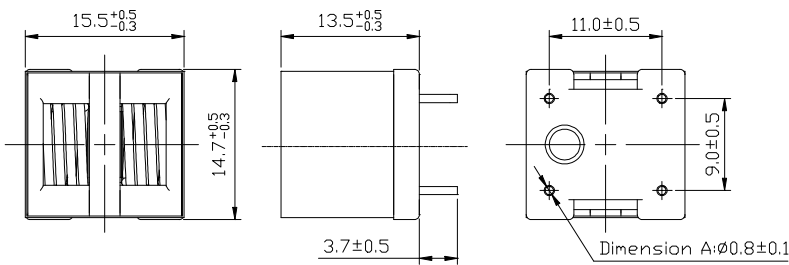
Packaging

- Box packaging.

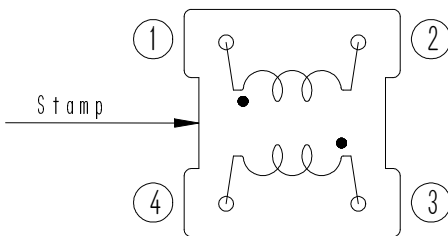
Applications

- Ideally used in digital AMP and large LCD etc.

Dimension - [mm]



Schematics - [mm]



Electrical Characteristics

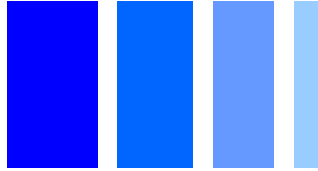
Part No.	Stamp	Inductance [Within] ※1		D.C.R. (mΩ) (at 20°C) [Max.]		Saturation (A) Current ※2		Temperature Rise current (A) ※3
		(1-2) Between	(3-4) Between	(1-2) Between	(3-4) Between	(20°C)	(105°C)	
DEPI1615NP-5R0N	5R0N	5 μH ±30%	5 μH ±30%	7.7(5.9)	7.7(5.9)	13	10	9.5
DEPI1615NP-100N	100N	10 μH ±30%	10 μH ±30%	10(7.6)	10(7.6)	9.6	7.6	8.0
DEPI1615NP-150N	150N	15 μH ±30%	15 μH ±30%	10(7.6)	10(7.6)	6.5	5.0	8.0
DEPI1615NP-220N	220N	22 μH ±30%	22 μH ±30%	10(7.6)	10(7.6)	4.2	3.2	8.0
DEPI1615NP-300N	300N	30 μH ±30%	30 μH ±30%	10(7.6)	10(7.6)	2.8	2.1	8.0

※1. Inductance measuring condition: at 100kHz.

※2. Saturation current: The value of D.C. current when the inductance decreases to 75% of it's nominal value.

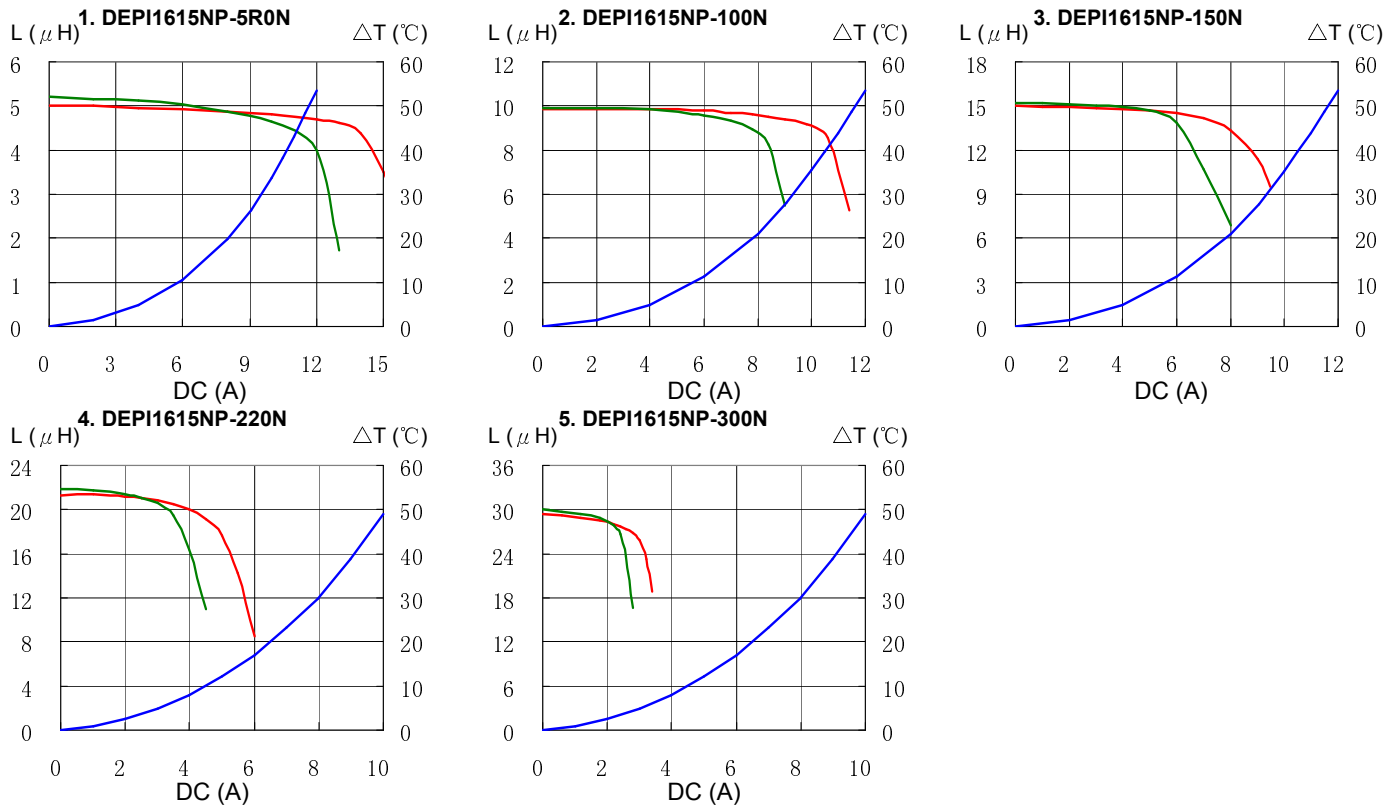
※3. Temperature rise current: The value of D.C. current when the temperature rise is Δt=40°C(Ta=20°C).

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Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) — ΔT



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