

PIN Power Inductor RPT129



sumida

Under Development



**Halogen
Free**



Description

- Ferrite drum core construction
- Magnetically shielded
- L × W × H: 12.5 × 12.5 × 10.0 mm Max.
- Product weight: 4.3g (Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Halogen Free available.

Environmental Data

- Operating temperature range: -40°C ~ +105°C (including coil's self temperature rise)
- Storage temperature range: -40°C ~ +105°C

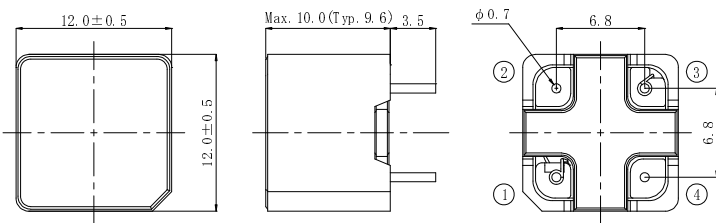
Packaging

- Box packaging

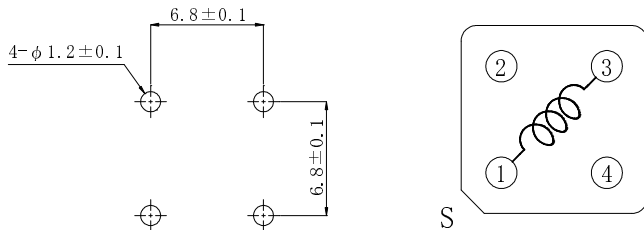
Applications

- Ideally used in lamp bulb, fluorescent lamp of LED, etc .

Dimension - inch [mm]



Land pattern and Schematics - inch [mm]



Electrical Characteristics

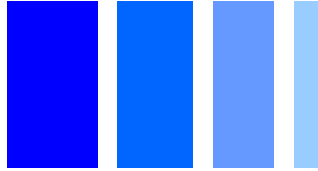
Part No.	Inductance (uH) Within ※1	D.C.R. (Ω) Within at 20°C	Saturation Current (mA) ※2		Temperature Rise Current (mA) ※3
			(at 20°C)	(at 105°C)	
RPT129NP-561MC	560 ± 20%	1.9 ± 25%	820	680	410
RPT129NP-102MC	1000 ± 20%	3.2 ± 25%	610	510	320
RPT129NP-152MC	1500 ± 20%	5.0 ± 25%	500	410	250
RPT129NP-202MC	2000 ± 20%	7.8 ± 25%	440	360	190

※1 Measuring condition: at 100kHz.

※2 Saturation current: The DC current at which the inductance decreases to 70% of its nominal value.

※3 Temperature rise current: The DC current at which the temperature rise is ΔT=40°C.(Ta=20°C)

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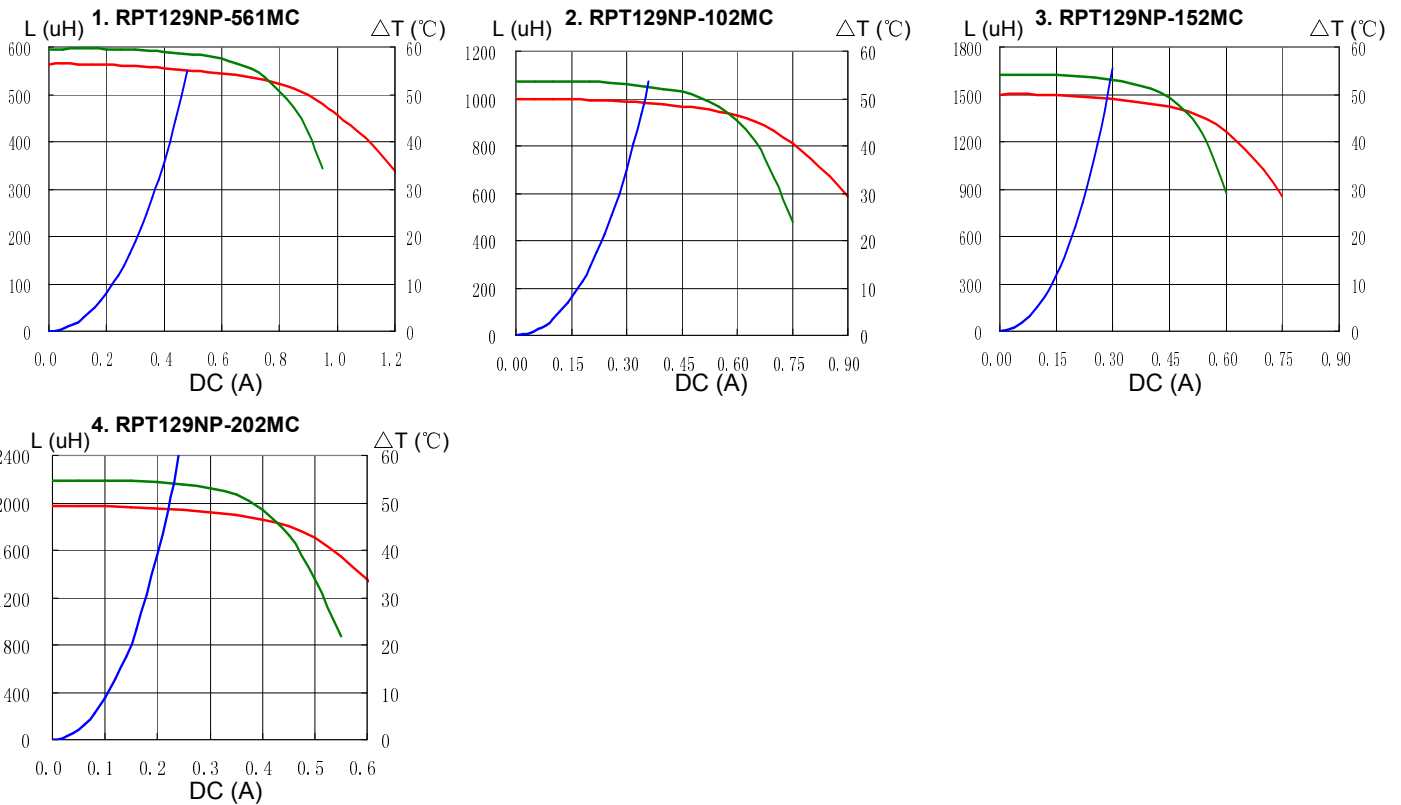


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Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) — ΔT



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