

# PIN Power Inductor RPT129



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
- Solder reflow temperature: 260 °C peak.

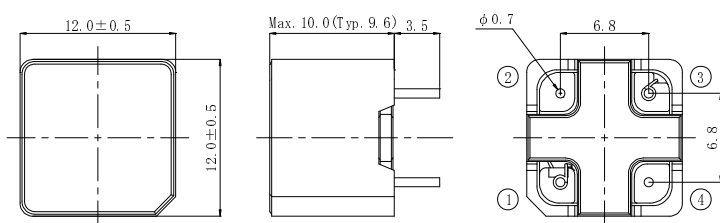
## Packaging

- Box packaging

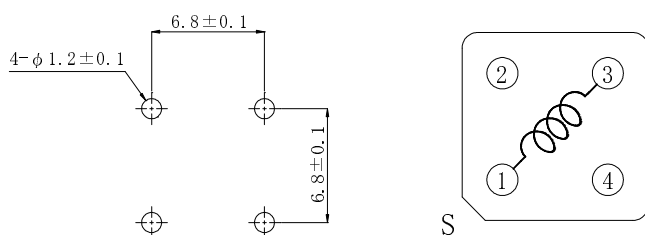
## Applications

- lamp bulb, fluorescent lamp of LED, etc .

## Dimension - inch [mm]



## Land pattern and Schematics - inch [mm]



## Electrical Characteristics

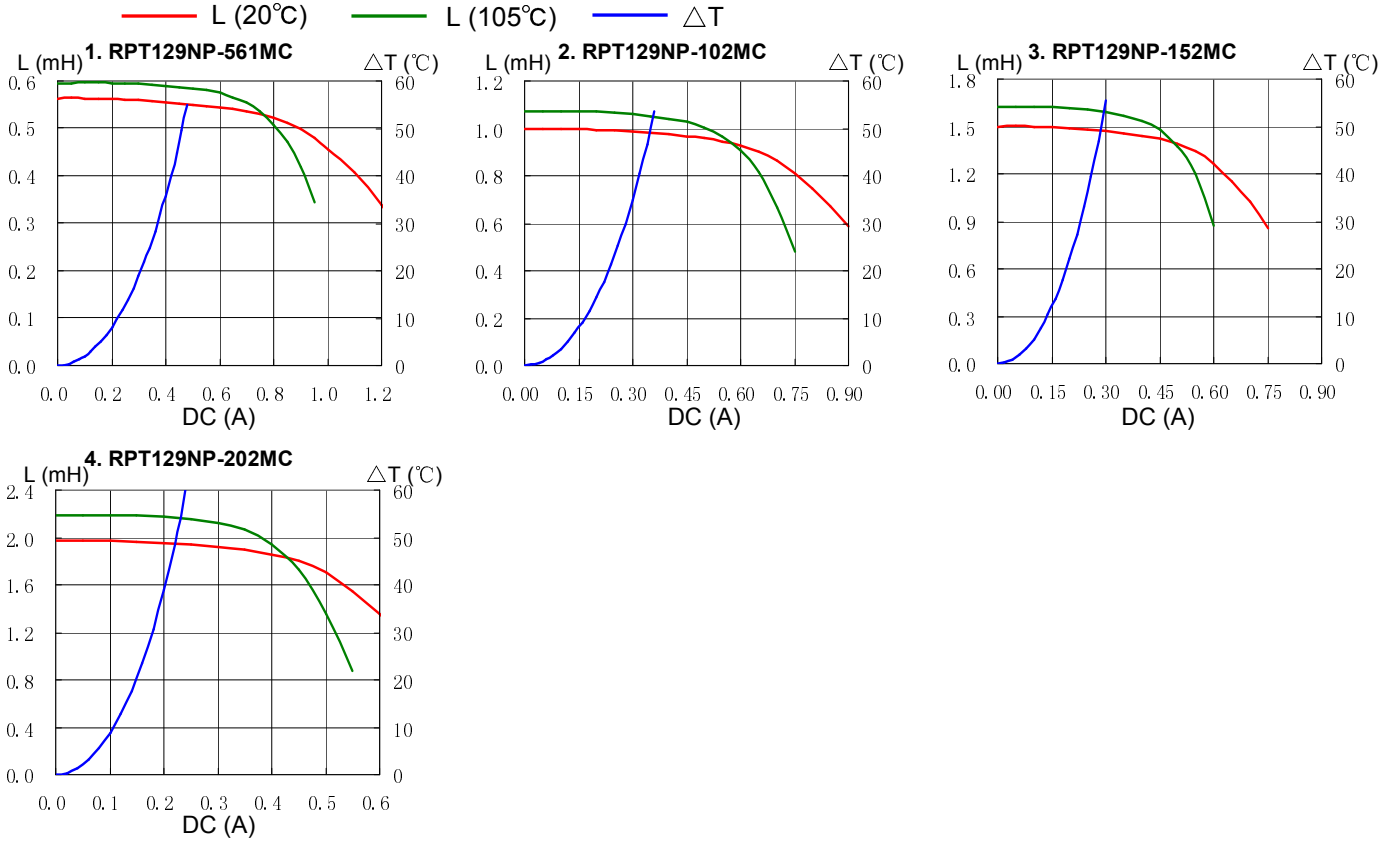
Part No.	Inductance (uH) Within at 100kHz	D.C.R. (Ω) Within at 20°C	Saturation Current (mA) ※1		Temperature Rise Current (mA) ※2
			(at 20°C)	(at 105°C)	
RPT129NP-561MC	560 ± 20%	1.9 ± 25%	820	680	410
RPT129NP-102MC	1000 ± 20%	3.2 ± 25%	610	510	320
RPT129NP-152MC	1500 ± 20%	5.0 ± 25%	500	410	250
RPT129NP-202MC	2000 ± 20%	7.8 ± 25%	440	360	190

※1. Saturation Current: The DC current at which the inductance decreases to 70% of its nominal value.  
 ※2. Temperature rise current: The DC current at which the temperature rise is ΔT=40°C.(Ta=20°C)

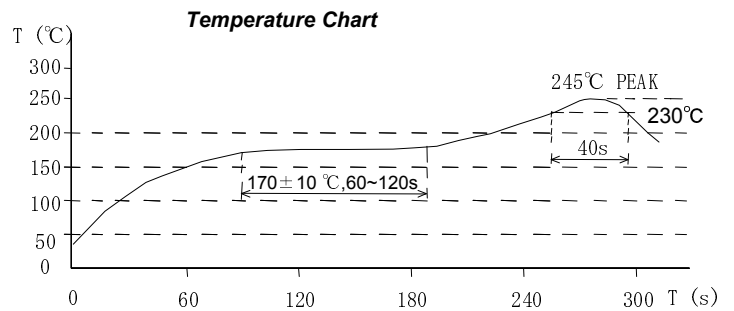
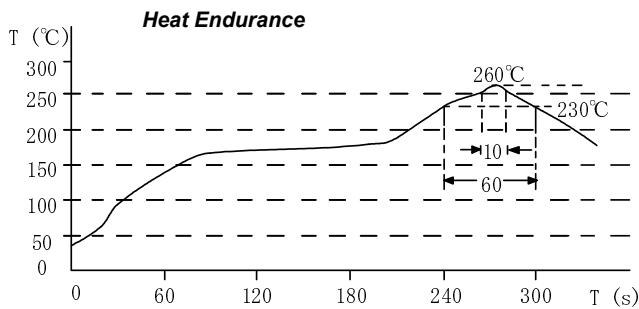
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## Saturation Current & Temperature Rise Graph



## Solder Reflow Condition



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

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