

# 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
- Solder reflow temperature: 260 °C peak.

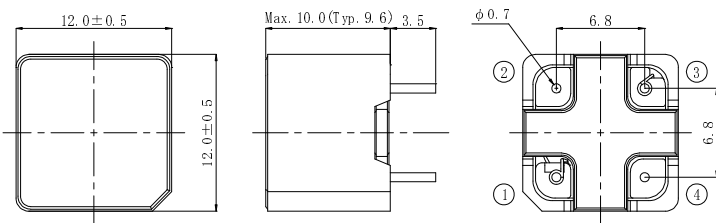
### Packaging

- Box packaging

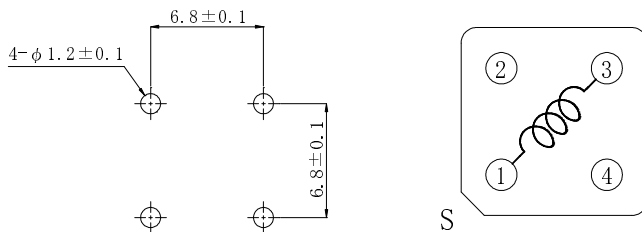
### Applications

- lamp bulb, fluorescent lamp of LED, etc .

### Dimension - inch [mm]



### Land pattern and Schematics - inch [mm]



### Electrical Characteristics

Part No.	Inductance ( $\mu$ H) Within ※1	D.C.R. ( $\Omega$ ) 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  $\Delta T = 40^\circ\text{C}$ . ( $T_a = 20^\circ\text{C}$ )

# PIN Power Inductor RPT129

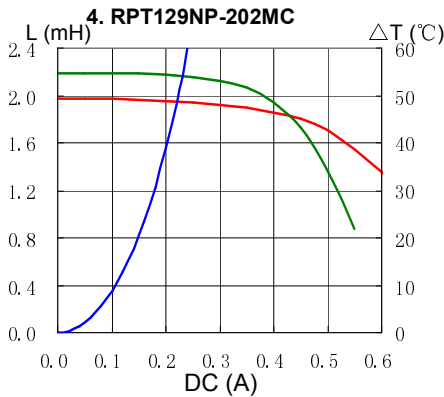
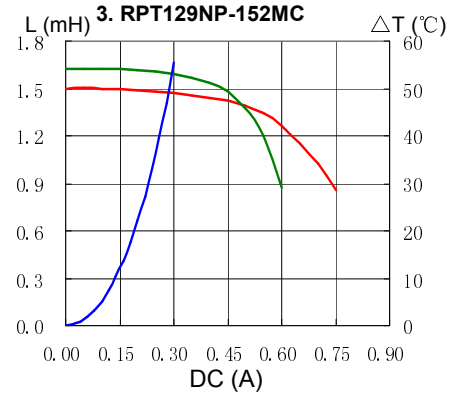
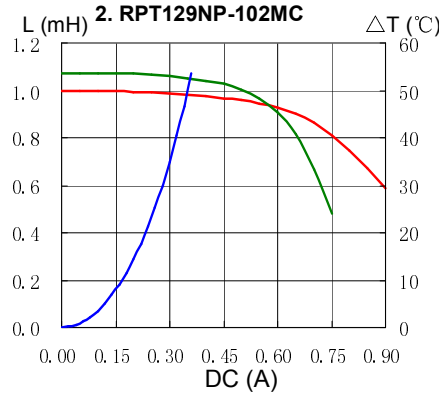
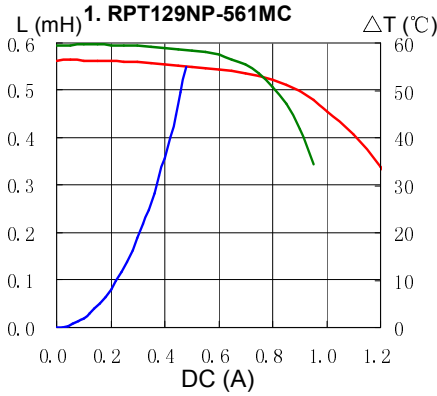


**sumida**

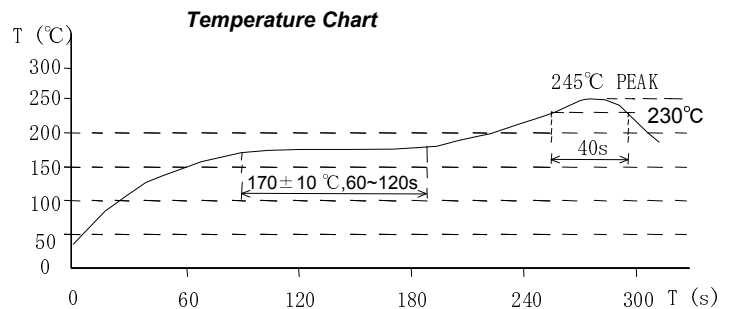
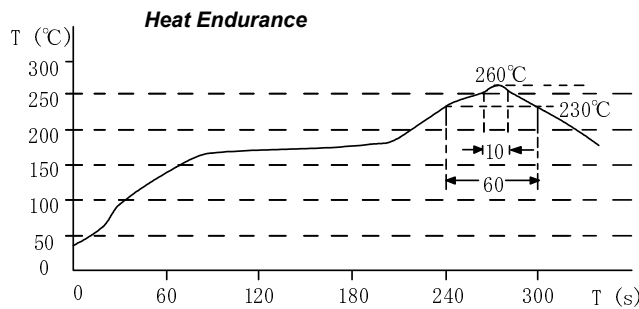
*Under Development*

## Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) —  $\Delta T$



## Solder Reflow Condition



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

**Hong Kong**  
Tel.+852-2880-6688  
FAX.+852-2565-9600  
[sales@hk.sumida.com](mailto:sales@hk.sumida.com)

**Tokyo**  
Tel.+81-3-5202-7112  
FAX.+81-3-5202-7105  
[sales@jp.sumida.com](mailto:sales@jp.sumida.com)

**Chicago**  
Tel.+1-847-545-6700  
FAX. +1-847-545-6720  
[sales@us.sumida.com](mailto:sales@us.sumida.com)

**Shanghai**  
Tel.+86-021-5836-3299  
FAX.+86-021-5836-3266  
[shanghai.sales@cn.sumida.com](mailto:shanghai.sales@cn.sumida.com)

**Seoul**  
Tel.+82-2-6237-0777  
FAX.+82-2-6237-0778  
[sales@kr.sumida.com](mailto:sales@kr.sumida.com)

**Oberzell**  
Tel.+49-8591-937-0  
FAX. +49-8591-937-103  
[contact@sumida-eu.com](mailto:contact@sumida-eu.com)

**Shenzhen**  
Tel.+86-755-8291-0228  
FAX.+86-755-8291-0338  
[shenzhen.sales@cn.sumida.com](mailto:shenzhen.sales@cn.sumida.com)

**Singapore**  
Tel.+65-6296-3388  
FAX.+65-6296-3390  
[sales@sg.sumida.com](mailto:sales@sg.sumida.com)

**Neumarkt**  
Tel.+49-9181-4509-110  
FAX. +49-9181-4509-310  
[infocomp@eu.sumida.com](mailto:infocomp@eu.sumida.com)

**Taipei**  
Tel.+886-2-8751-2737  
FAX.+886-2-8751-2738  
[sales@tw.sumida.com](mailto:sales@tw.sumida.com)

**San Jose**  
Tel.+1-408-3219660  
FAX.+1-408-321-9308  
[sales@us.sumida.com](mailto:sales@us.sumida.com)