

### ■ Features:

- Metallization on ferrite core results in excellent shock resistance and damage-free durability.
- Closed magnetic circuit design reduces leakage flux and Electro Magnetic Interference (EMI).
- Fe base metal material core provides large saturation current.
- Automatic production ensures high quality and consistency.

### ■ Applications:

- Notebooks, desktop computers, servers, graphic cards.
- Blue-ray disc recorders, set top box, Automotive systems.
- Portable gaming devices, personal navigation systems, personal multimedia devices

### ■ Parts code:

**PNR--A**

Type: A: (Type)  
B: (Type)

**201610**

SERIES

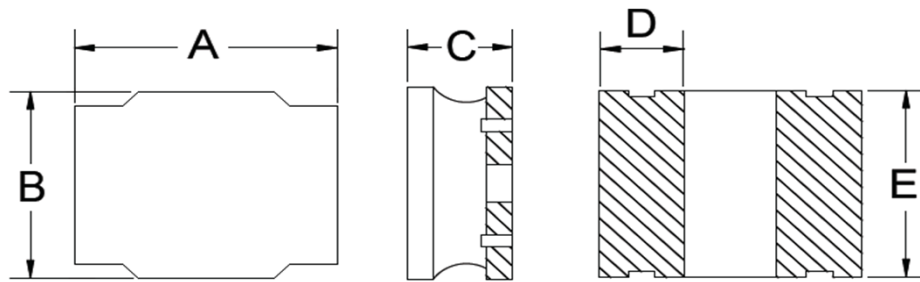
**2R2**

Inductance code

**M**

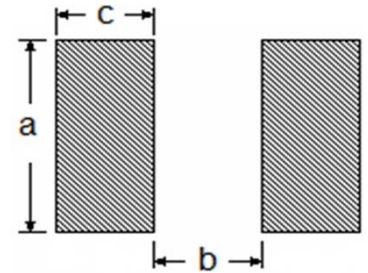
Tolerance: M:  $\pm 20\%$   
N:  $\pm 30\%$

### ■ Outline Dimension:



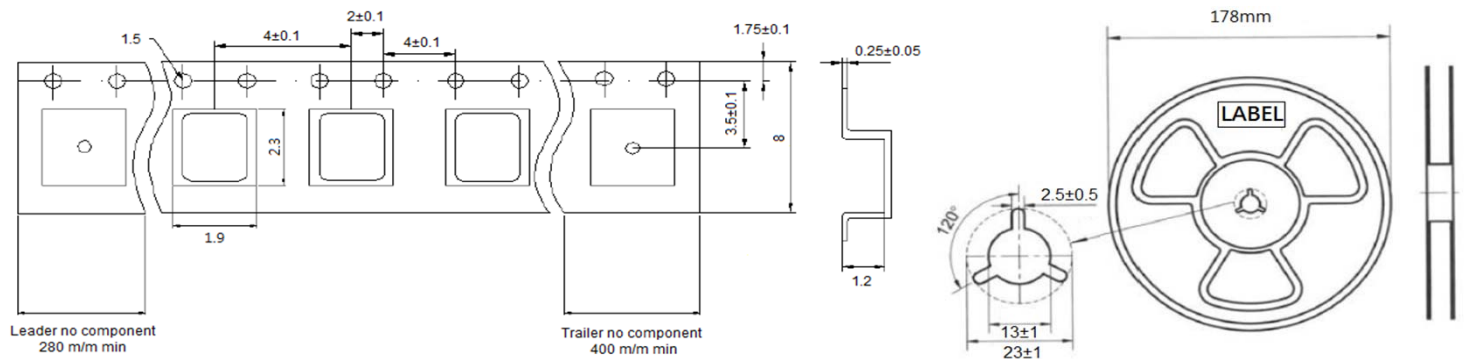
PNR-A (Type)

### ■ Recommended Land Pattern:



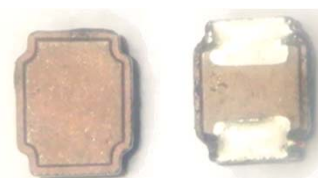
Dimensions in mm

TYPE	A	B	C	D	E	a	b	c
PNRA 201610	2.0 $\pm$ 0.25	1.6 $\pm$ 0.25	1.05 max	0.6 $\pm$ 0.2	1.6 $\pm$ 0.2	1.7 Typ	1.0 Typ	0.6 Typ



■ Package: Q'TY / Reel  
PNRA-201610--2K/pcs

# Hi-Current Power Inductor PNR-A 201610



## ■ Specifications

### PNRA 201610

Flic No.	L	DCR (mΩ)	Stauration Current	Heat Rating Current
	( uH )	Max	Isat (A) Typ.	Irms (A) Typ.
PNRA 201610- R33N	0.33	43	5.50	3.60
PNRA 201610- R47N	0.47	49	4.70	3.10
PNRA 201610- R68N	0.68	65	4.00	2.80
PNRA 201610- 1R0M	1.0	90	3.85	2.35
PNRA 201610- 1R5M	1.5	130	2.30	2.00
PNRA 201610- 2R2M	2.2	185	2.15	1.70
PNRA 201610- 4R7M	4.7	528	1.50	1.00
PNRA 201610- 100M	10	826	0.95	0.75

■ Notes: Tolerance: M ( $\pm 20\%$ ), N ( $\pm 30\%$ )

■ Test Ferquency: 1 MHz / 0.25V

Isat: Based on Inductance decrease 30%

Irms: Based on Temperature increase 40°C

Operating temperature range: -40°C ~ +125°C

Storage Temp: -40°C ~ +125°C