

### ■ 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)

**252012**

SERIES

**2R2**

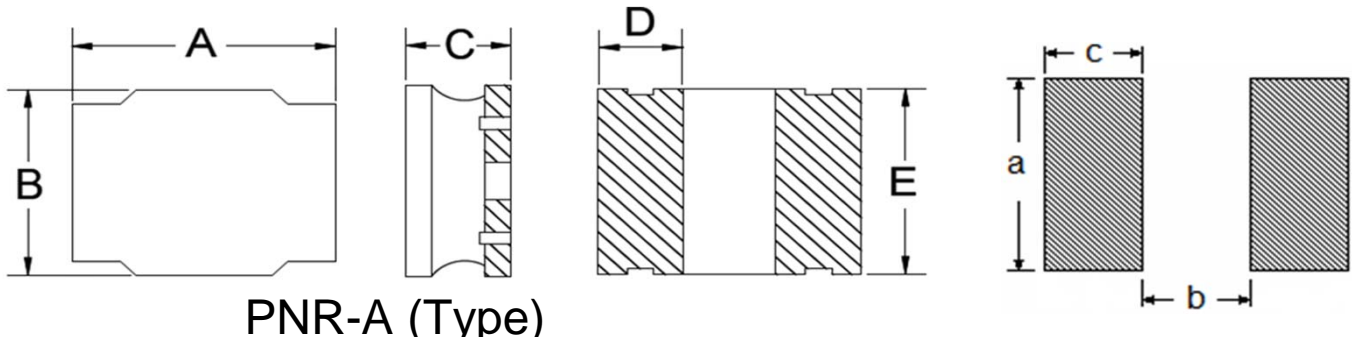
Inductance code

**M**

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

### ■ Outline Dimension:

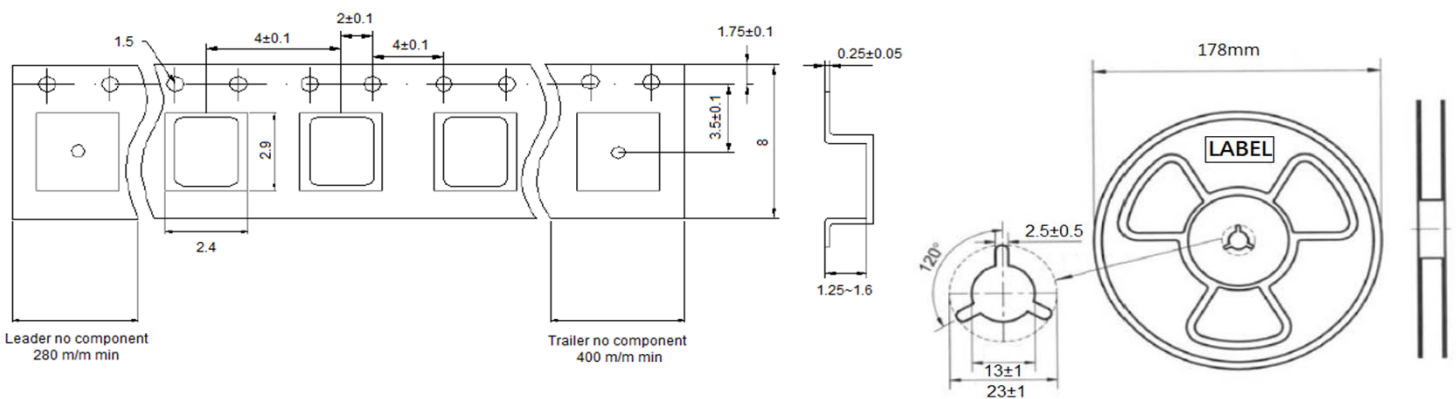
### ■ Recommended Land Pattern:



PNR-A (Type)

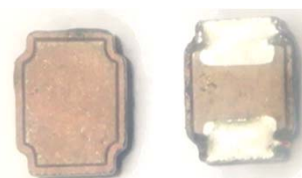
Dimensions in mm

TYPE	A	B	C	D	E	a	b	c
PNRA 252012	2.5 $\pm$ 0.3	2.0 $\pm$ 0.3	1.25 max	0.8 $\pm$ 0.2	2.1 $\pm$ 0.2	2.2 Typ	0.6 Typ	1.0 Typ



■ Package: Q'TY / Reel  
PNRA-252012--2K/pcs

# Hi-Current Power Inductor PNR-A 252012



## ■ Specifications

### PNRA 252012

Flic No.	L	DCR (mΩ)	Stauration Current	Heat Rating Current
	( uH )	Max	Isat (A) Typ.	Irms (A) Typ.
PNRA 252012- R33N	0.33	30	6.20	4.30
PNRA 252012- R47N	0.47	35	5.60	4.00
PNRA 252012- R68N	0.68	43	4.30	3.60
PNRA 252012- 1R0M	1.0	65	4.20	3.40
PNRA 252012- 1R5M	1.5	104	3.50	2.80
PNRA 252012- 2R2M	2.2	120	3.00	2.15
PNRA 252012- 3R3M	3.3	163	2.10	2.05
PNRA 252012- 4R7M	4.7	260	1.90	1.45
PNRA 252012- 6R8M	6.8	366	1.35	1.10
PNRA 252012- 100M	10	480	1.35	1.00
PNRA 252012- 220M	22	1430	0.70	0.60

■ Notes: Tolerance: M (± 20%) ), N (± 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