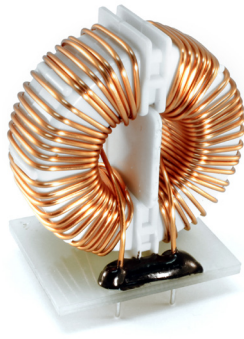


# THT Common Mode Chokes

PA4415NL and PA4416NL



- Dielectric Strength:** 1500Vrms
- Inductance Range:** 14 mH (at 8A) to 35mH (at 5A)
- Height:** 43.0 mm Max
- Footprint:** 43.0 mm x 26.0 mm
- Voltage Rating:** 250 Vac Max, 1500 Vrms Hi-pot

**Electrical Specifications @ 25°C - Operating Temperature -40°C to +125°C**

Part Number	Inductance (1-4)=(2-3) (mH Min)	Current Rating <sup>1</sup> (1-4)=(2-3) (A)	DCR (1-4)=(2-3) (mΩ Max)	Self Resonant Frequency (1,2-4,3) (MHz Typ)	Impedance (kOhms Typ at SRF)
PA4415NL	24.5	5.00	90.0	0.92	29.4
PA4416NL	9.8	8.00	27.0	1.96	13.8

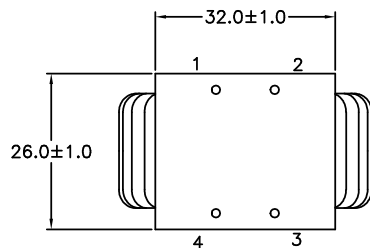
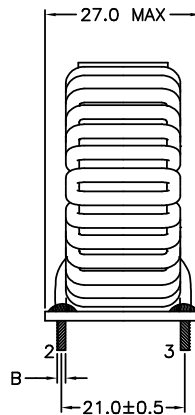
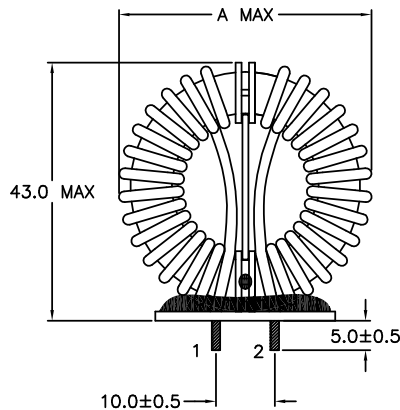
**Notes:**

- The current rating (I<sub>rated</sub>) is based upon the temperature rise of the component and represents the rms current which will cause a typical temperature rise of 55°C.
- The temperature of the component (ambient plus temperature rise) must be within the stated operating temperature range.

**Mechanical**

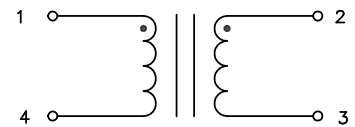
**Schematic**

**PA441xNL**

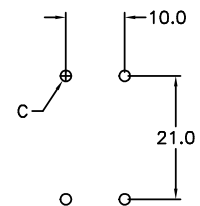


DIMENSION	"A"	"B"	"C"
PA4415NL	42MAX	∅0.8±0.1	∅1.2
PA4416NL	43MAX	∅1.2±0.1	∅1.6

ALL DIMENSIONS ARE IN MM.



SCHEMATIC

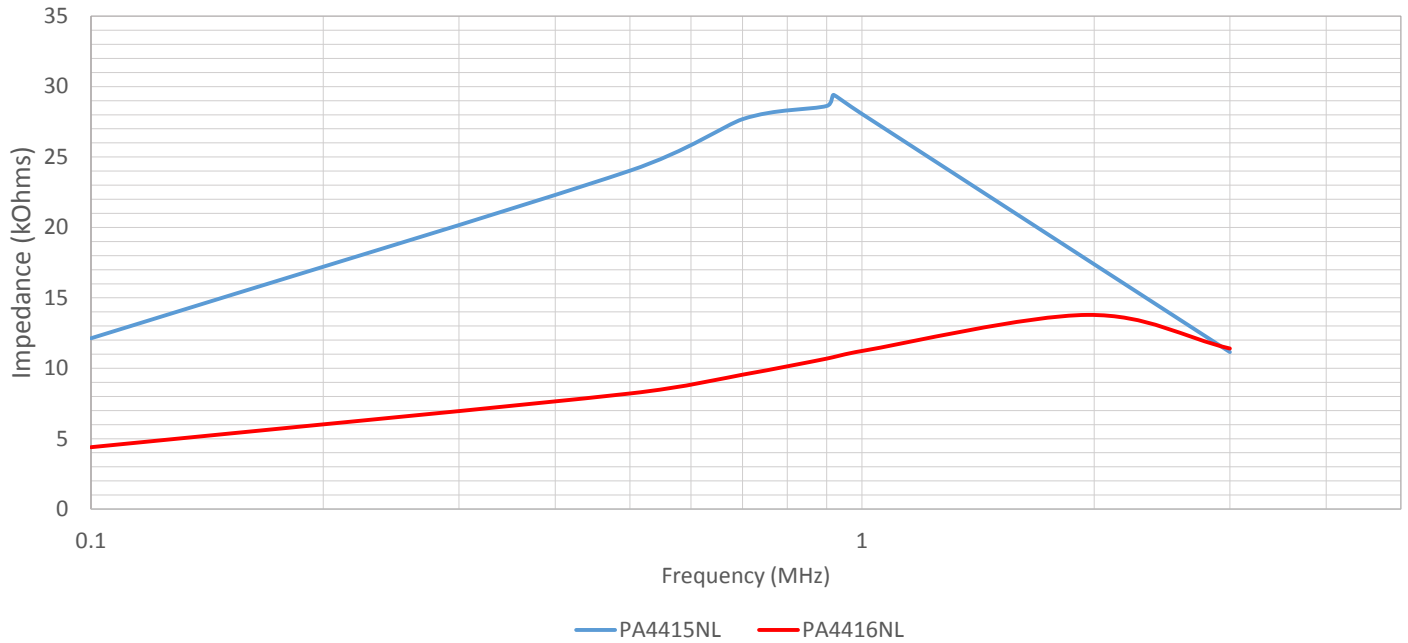


SUGGESTED LAND PATTERN

# THT Common Mode Chokes

PA4415NL and PA4416NL

Impedance vs Frequency, PA4415NL, PA4416NL



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