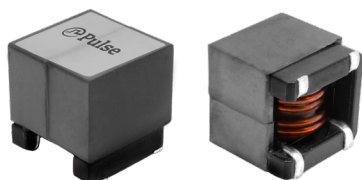


SMT Common Mode Chokes

PA5140XXXNL & PA5141.XXXNL Series



- EP18 & EP22 Platforms
- 18x19x19mm & 23x23x23mm
- 110uH/33A to 350uH/13A
- 1000Vrms Isolation (380Vrms continuous)

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

Part Number	Inductance 1-2 (uH +40%/-40%)	Leakage Inductance (uH Ref)	DCR (1-2)=(4-3) (mΩ TYP)	Self Resonant Frequency (1-2)=(4-3) (MHz Ref)	Impedance (kOhms Ref at SRF)	Irat (A)
PA5140.105NL	140.0	0.7	1.70	3.30	0.82	21
PA5140.205NL	200.0	1.0	2.20	3.66	1.09	20
PA5140.305NL	300.0	1.5	3.20	3.00	1.57	17
PA5140.405NL	400.0	2.0	4.60	2.84	1.67	14
PA5141.105NL	110.0	0.7	0.90	2.82	0.50	32
PA5141.205NL	190.0	0.9	1.10	3.35	0.70	30
PA5141.305NL	260.0	1.3	1.70	2.82	1.05	26
PA5141.405NL	360.0	1.8	2.40	2.1	1.55	22
PA5141.505NL	470.0	2.0	3.50	2.2	1.95	18

NOTE:

1. The current rating (Irat) is based upon the temperature rise of the component and represents the rms current which will cause a typical temperature rise of 60°C with 50LFM forced cooling.
2. The temperature of the component (ambient plus temperature rise) must be within the stated operating temperature range.
3. Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the part number (i.e. PA5140.103NL become PA5140.103NLT). Pulse complies to industry standard tape and reel specification EIA481.

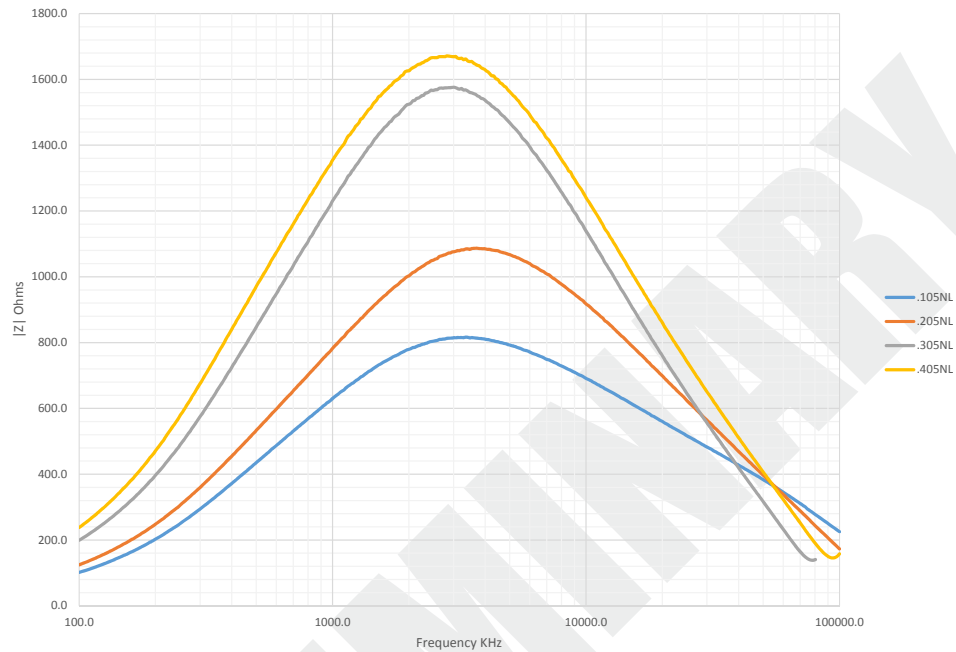
SMT Common Mode Chokes

PA5140XXXNL & PA5141.XXXNL Series

Impedance Plots

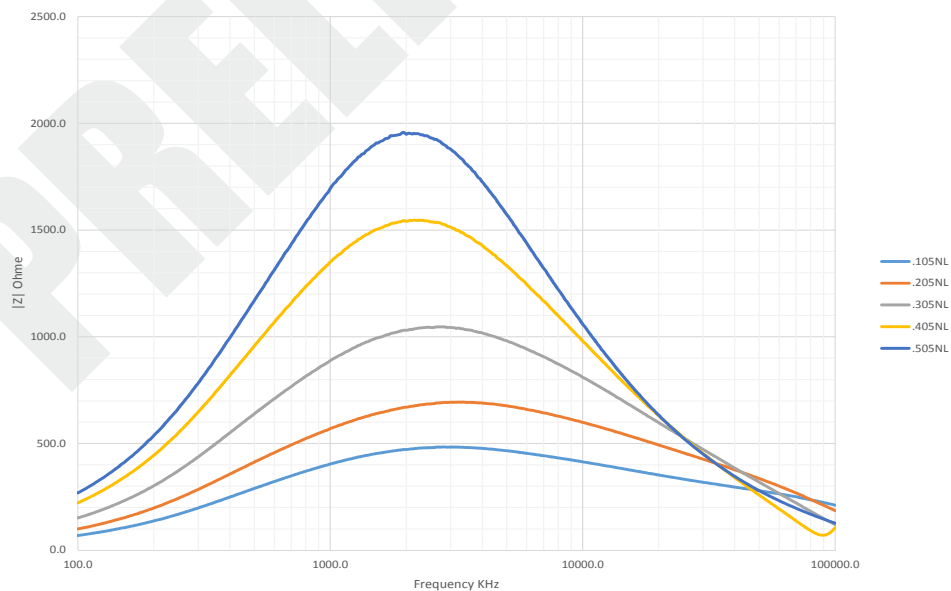
PA5140.XXXNL

Impedance Curve



PA5141.XXXNL

Impedance Curve

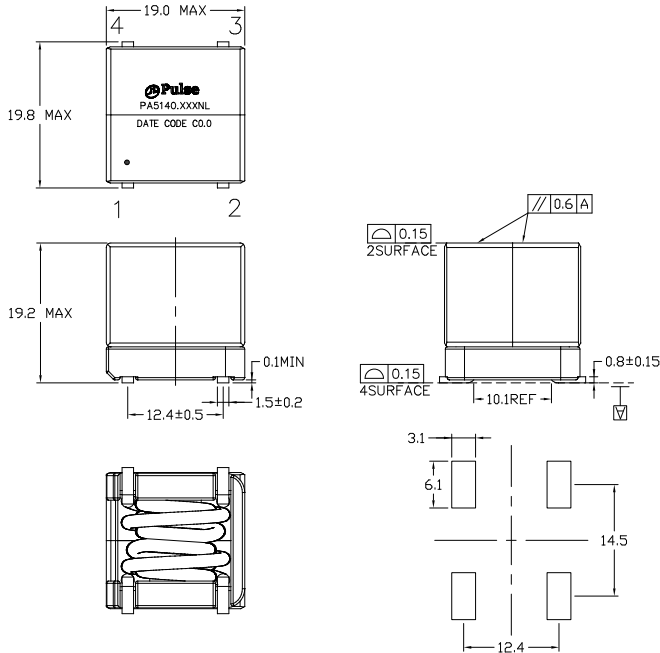


SMT Common Mode Chokes

PA5140XXXNL & PA5141.XXXNL Series

Mechanicals

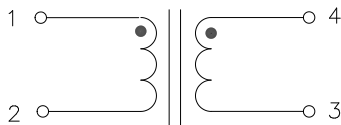
PA5140.XXXNL



FINAL OUTLINE

SUGGEST LAYOUT

Schematic



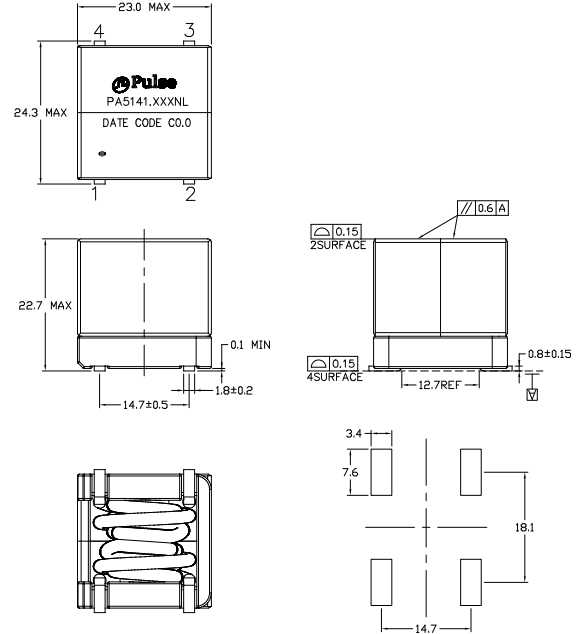
Weight (TYP) 20 grams

Tape & Reel 75/ Reel

Dimensions: mm

Unless otherwise specified, all tolerance are ± 0.25

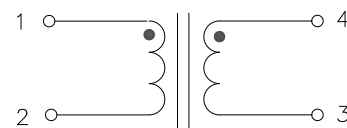
PA5141.XXXNL



FINAL OUTLINE

SUGGEST LAYOUT

Schematic



Weight (TYP) 38 grams

Tape & Reel 50/ Reel

Dimensions: mm

Unless otherwise specified, all tolerance are ± 0.25

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