

# SMT Power Inductors

Unshielded Drum Core - P0762NL Series



- Height:** 3.0mm Max
- Footprint:** 13.0mm x 9.4mm Max
- Current Rating:** up to 2.0A
- Inductance Range:** 10μH to 1000μH

## Electrical Specifications @ 25°C - Operating Temperature -40°C to +130°C

Part <sup>6,7</sup> Number	Inductance @ 1px Aoc (μH ± 20%)	Irated <sup>5</sup> (A)	DCR (MAX) (mΩ)	Saturation Current (A) @ 25°C	Heating Current (A)
P0762.103NL	10	2.0	110	2.4	2.0
P0762.153NL	15	1.5	150	2.0	1.5
P0762.223NL *	22	1.3	230	1.6	1.3
P0762.333NL *	33	1.1	300	1.4	1.1
P0762.473NL *	47	0.8	390	1.0	0.8
P0762.683NL	68	0.7	660	0.9	0.7
P0762.104NL	100	0.6	840	0.7	0.6
P0762.154NL	150	0.5	1200	0.6	0.5
P0762.224NL	220	0.4	1900	0.5	0.4
P0762.334NL *	330	0.3	2700	0.4	0.3
P0762.474NL *	470	0.2	4000	0.3	0.2
P0762.684NL	680	0.1	5300	0.2	0.1
P0762.105NL *	1000	0.05	8400	0.1	.05

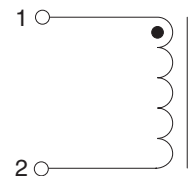
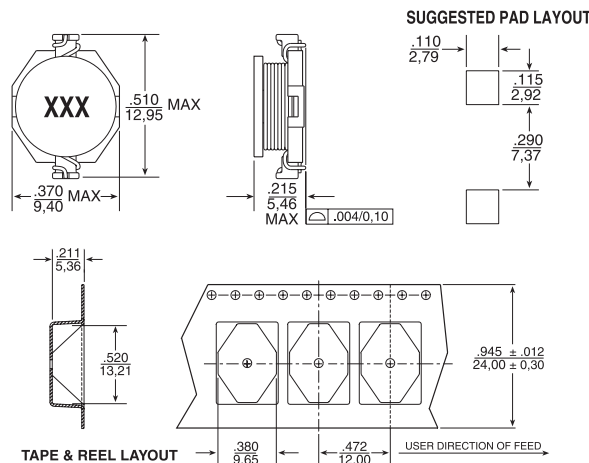
### Notes:

- The temperature of the component (ambient plus temperature rise) must be within the specified operating temperature range.
  - Inductance tested at 100kHz, 10mV<sub>RMS</sub>
  - Inductance drop = 10% typical at the Saturation Current
  - ΔT = 15°C rise typical at the Heating Current
  - The rated current is the lower of the saturation or heating current
  - Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the part number (i.e. P0762.103NL becomes P0762.103NLT). Pulse complies to industry standard tape and reel specification EIA481.
  - The "NL" suffix indicates an RoHS-compliant part number. Non-NL suffixed parts are not necessarily RoHS compliant, but are electrically and mechanically equivalent to NL versions. If a part number does not have the "NL" suffix, but an RoHS compliant version is required, please contact Pulse for availability.
- \* Contact Pulse for availability

## Mechanical

## Schemati

P0762.XXXNL



**Weight** .....0.8 grams  
**Tape & Reel** .....800/reel

**Dimensions:**  $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified,  
all tolerances are ±  $\frac{.010}{0.25}$

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