

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 ^{6,7} Number | Inductance @ 1px Aoc (μH ± 20%) | Irated ⁵ (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 |

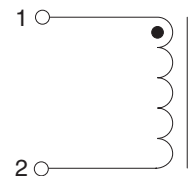
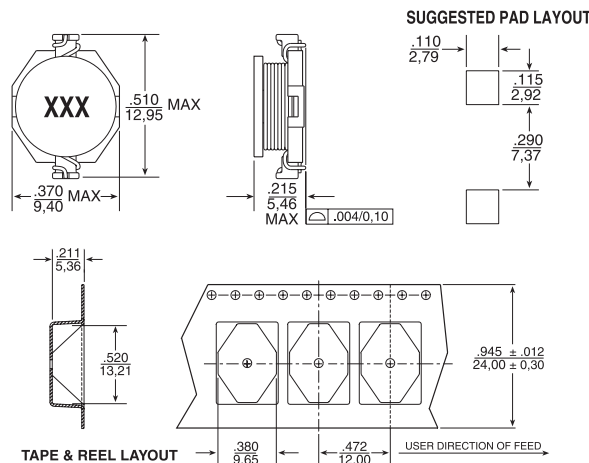
Notes:

- The temperature of the component (ambient plus temperature rise) must be within the specified operating temperature range.
 - Inductance tested at 100kHz, 10mV_{RMS}
 - 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



Weight0.8 grams
Tape & Reel800/reel

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

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

For More Information

Pulse Worldwide Headquarters

15255 Innovation Drive Ste 100
San Diego, CA 92128
U.S.A.

Tel: 858 674 8100
Fax: 858 674 8262

Pulse Europe

Pulse Electronics GmbH
Am Rottland 12
58540 Meinerzhagen
Germany

Tel: 49 2354 777 100
Fax: 49 2354 777 168

Pulse China Headquarters

Pulse Electronics (ShenZhen) CO., LTD
D708, Shenzhen Academy of
Aerospace Technology,
The 10th Keji South Road,
Nanshan District, Shenzhen,
P.R. China 518057

Tel: 86 755 33966678
Fax: 86 755 33966700

Pulse North China

Room 2704/2705
Super Ocean Finance Ctr.
2067 Yan An Road West
Shanghai 200336
China

Tel: 86 21 62787060
Fax: 86 2162786973

Pulse South Asia

3 Fraser Street 0428
DUO Tower
Singapore 189352

Tel: 65 6287 8998
Fax: 65 6280 0080

Pulse North Asia

1F., No.111 Xiyuan Road
Zhongli District
Taoyuan City 32057
Taiwan (R.O.C)

Tel: 886 3 4356768
Fax: 886 3 4356820

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