



**THE DATASHEET OF  
P0752.334NLT**



# SMT Power Inductors

Unshielded Drum Core - P0751NL/52NL Series



- Height:** 5.5mm Max
- Footprint:** 13.0mm x 9.4mm Max
- Current Rating:** up to 6.8A
- Inductance Range:** 1.0μH to 1000μH

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

Part <sup>6,7</sup> Number	Inductance @ 1px Adc (μH ± 20%)	I <sub>rated</sub> <sup>5</sup> (A)	DCR (MAX) (mΩ)	Saturation Current (A) @ 25°C	Heating Current (A)
P0751.102	1.0	6.8	10	9.0	6.8
P0751.152	1.5	6.4	12	8.0	6.4
P0751.222	2.2	6.1	15	7.0	6.1
P0751.332	3.3	5.4	18	6.4	5.4
P0751.472	4.7	4.8	33	5.4	4.8
P0751.682	6.8	4.4	44	4.6	4.4
P0751.103	10	3.8	50	3.8	3.9
P0751.153	15	3.0	55	3.0	3.1
P0751.223	22	2.6	114	2.6	2.7
P0751.333	33	2.0	120	2.0	2.1
P0751.473	47	1.6	168	1.6	1.8
P0751.683	68	1.4	240	1.4	1.5
P0752.104	100	1.2	380	1.2	1.3
P0752.154	150	1.0	570	1.0	1.0
P0752.224	220	0.8	840	0.8	0.8
P0752.334	330	0.6	1020	0.6	0.6
P0752.474	470	0.5	1460	0.5	0.5
P0752.684	680	0.4	2170	0.4	0.4
P0752.105	1000	0.3	3300	0.3	0.3

### Notes:

1. The temperature of the component (ambient plus temperature rise) must be within the specified operating temperature range.
2. Inductance tested at 100kHz, 10mV<sub>RMS</sub>
3. Inductance drop = 10% typical at the Saturation Current
4. ΔT = 15°C rise typical at the Heating Current
5. The rated current is the lower of the saturation or heating current
6. Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the part number (i.e. P0751.102NL becomes P0751.102NLT). Pulse complies to industry standard tape and reel specification EIA481.
7. 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.

# SMT Power Inductors

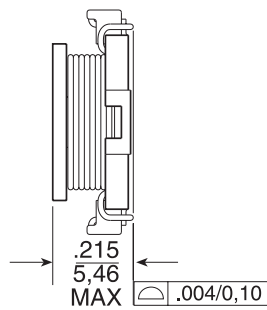
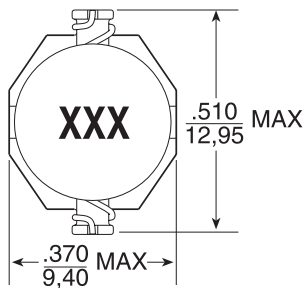
Unshielded Drum Core - P0751NL/52NL Series



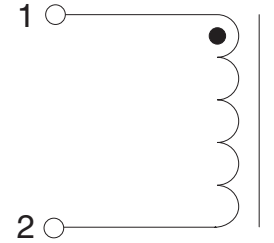
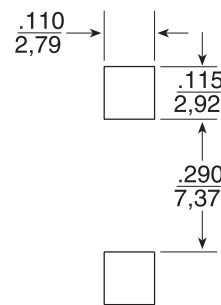
## Mechanical

## Schematic

P0751.XXX/P0752.XXX



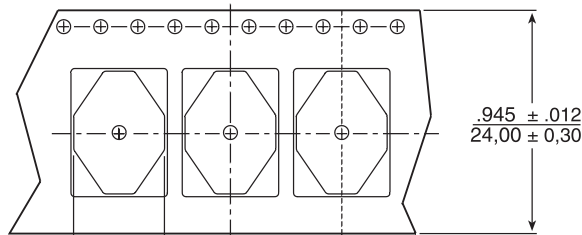
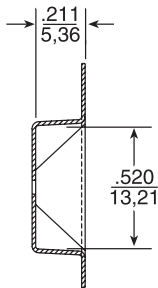
### SUGGESTED PAD LAYOUT



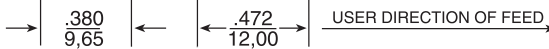
Weight .....0.8 grams  
Tape & Reel .....800/reel

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

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



### TAPE & REEL LAYOUT



## For More Information

### Pulse Worldwide Headquarters

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

### Pulse Europe

Pulse Electronics GmbH  
Am Rottland 12  
58540 Meinerzhagen  
Germany

### 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

### Pulse North China

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

### Pulse South Asia

3 Fraser Street 0428  
DUO Tower  
Singapore 189352

### Pulse North Asia

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

Tel: 858 674 8100  
Fax: 858 674 8262

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

Tel: 86 755 33966678  
Fax: 86 755 33966700

Tel: 86 21 62787060  
Fax: 86 2162786973

Tel: 65 6287 8998  
Fax: 65 6280 0080

Tel: 886 3 4356768  
Fax: 886 3 4356820

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners. © Copyright, 2019. Pulse Electronics, Inc. All rights reserved.

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View P0752.334NLT on WIN SOURCE](#)

 [Pulse Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management