

# Unshielded Drum Core Inductor

PA4305.XXXNL Series



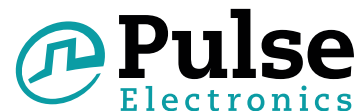
- ⊕ **Height:** 3.2mm Max
- ⊕ **Footprint:** 6.3 x 6.3 mm Max
- ⊕ **Current Rating:** 0.2A to 6.1A
- ⊕ **Inductance Range:** 1uH to 1000uH

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

Pulse Part Number	Inductance (uH) <sup>1,2</sup>	Rated Current (A) Max <sup>3</sup>	DC Resistance (mΩ) Max	Package Size
PA4305.102NLT	1.0	6.1	38	6.3 x 6.3 x 3.2mm Max
PA4305.152NLT	1.5	5.5	45	
PA4305.222NLT	2.2	4.35	55	
PA4305.332NLT	3.3	3.5	66	
PA4305.472NLT	4.7	3	81	
PA4305.562NLT	5.6	2.79	88	
PA4305.682NLT	6.8	2.5	108	
PA4305.822NLT	8.2	2.22	140	
PA4305.103NLT	10	2.1	153	
PA4305.153NLT	15	1.68	225	
PA4305.223NLT	22	1.38	332	
PA4305.333NLT	33	1.15	472	
PA4305.473NLT	47	0.95	648	
PA4305.563NLT	56	0.88	870	
PA4305.683NLT	68	0.8	950	
PA4305.823NLT	82	0.7	1111	
PA4305.104NLT	100	0.65	1258	
PA4305.124NLT	120	0.6	1544	
PA4305.154NLT	150	0.55	1895	
PA4305.184NLT	180	0.49	2427	
PA4305.224NLT	220	0.45	2756	
PA4305.274NLT	270	0.39	3568	
PA4305.334NLT	330	0.35	4344	
PA4305.394NLT	390	0.32	5616	
PA4305.474NLT	470	0.3	6341	
PA4305.564NLT	560	0.26	10116	
PA4305.684NLT	680	0.25	11765	
PA4305.824NLT	820	0.22	12992	
PA4305.105NLT	1000	0.2	14823	

# Unshielded Drum Core Inductor

PA4305.XXXNL Series

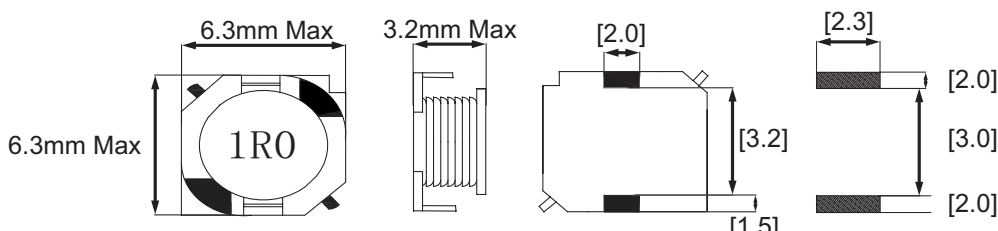


## NOTES:

1. Inductance tolerance is +/-30% for inductance values between 1uH and 8.2uH and +/-20% for values between 10uH and 680uH.
2. Inductance is measured at 100kHz, 250mV
3. The rated current as listed is the rms or heating current that the part can withstand with acceptable temperature rise in typical applications. At the listed current the inductance typically drops to 85%-90% of the no load value when measured at 25°C. The inductance is guaranteed to be greater than 65% of the no load inductance value when measured at 25°C.
4. The temperature of the component (ambient plus temperature rise) must be within the stated operating temperature.
5. Parts come in tape and reel packaging. Pulse complies with industry standard tape and reel specification EIA481. The tape and reel for this product has a width (W=16mm) and pitch (P=12mm).

## Mechanical

PA4305.XXXNL



Weight .....0.22 grams

Tape & Reel .....1500/reel

## For More Information

### Pulse Worldwide Headquarters

12220 World Trade Drive  
San Diego, CA 92128  
U.S.A.

Tel: 858 674 8100  
Fax: 858 674 8262

### Pulse Europe

Zeppelinstrasse 15  
71083 Herrenberg  
Germany

Tel: 49 7032 7806 0  
Fax: 49 7032 7806 12

### Pulse China Headquarters

B402, Shenzhen Academy of  
Aerospace Technology Bldg.  
10th Kejinan Road  
High-Tech Zone  
Nanshan District  
Shenzhen, PR 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

135 Joo Seng Road  
#03-02  
PM Industrial Bldg.  
Singapore 368363

Tel: 65 6287 8998  
Fax: 65 6287 8998

### Pulse North Asia

3F, No. 198  
Zhongyuan Road  
Zhongli City  
Taoyuan County 320  
Taiwan R. O. C.

Tel: 886 3 4356768  
Fax: 886 3 4356823 (Pulse)  
Fax: 886 3 4356820 (FRE)

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, 2015. Pulse Electronics, Inc. All rights reserved.