

PA4305.683NLT Datasheet

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DiGi Electronics Part Number	PA4305.683NLT-DG
Manufacturer	Pulse Electronics
Manufacturer Product Number	PA4305.683NLT
Description	FIXED IND 68UH 800MA 950MOHM SMD
Detailed Description	68 μ H Unshielded Wirewound Inductor 800 mA 950 mOhm Max Nonstandard



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Purchase and inquiry

Manufacturer Product Number:

PA4305.683NLT

Series:

PA4305.XXXNL

Type:

Wirewound

Inductance:

68 μ H

Current Rating (Amps):

800 mA

Shielding:

Unshielded

Q @ Freq:

-

Ratings:

-

Inductance Frequency - Test:

100 kHz

Mounting Type:

Surface Mount

Supplier Device Package:

-

Height - Seated (Max):

0.126" (3.20mm)

Manufacturer:

Pulse Electronics

Product Status:

Active

Material - Core:

-

Tolerance:

\pm 20%

Current - Saturation (Isat):

-

DC Resistance (DCR):

950mOhm Max

Frequency - Self Resonant:

-

Operating Temperature:

-40°C ~ 125°C

Features:

-

Package / Case:

Nonstandard

Size / Dimension:

0.248" L x 0.248" W (6.30mm x 6.30mm)

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8504.50.4000

Moisture Sensitivity Level (MSL):

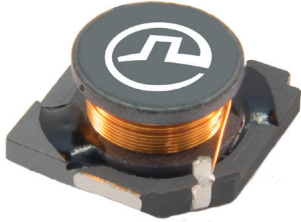
1 (Unlimited)

ECCN:

EAR99

Unshielded Drum Core Inductor

PA4305.XXXNL Series



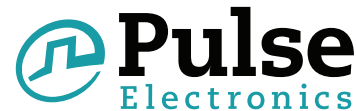
- ⊕ **Height:** 3.2mm Max
- ⊕ **Footprint:** 6.3 x 6.3 mm Max
- ⊕ **Current Rating:** 0.2A to 6.1A
- ⊕ **Inductance Range:** 1uH to 1000uH

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

Pulse Part Number	Inductance (uH) ^{1,2}	Rated Current (A) Max ³	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

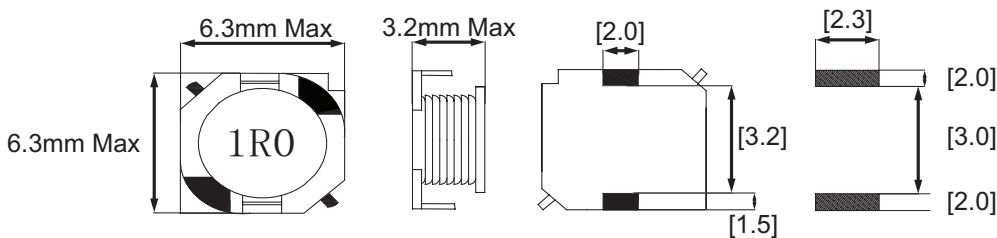


NOTES:

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



Weight0.22 grams

Tape & Reel1500/reel

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