

PA4332.103NLT Datasheet

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DiGi Electronics Part Number	PA4332.103NLT-DG
Manufacturer	Pulse Electronics
Manufacturer Product Number	PA4332.103NLT
Description	FIXED IND 10UH 2A 216 MOHM SMD
Detailed Description	10 μ H Shielded Drum Core, Wirewound Inductor 2 A 216mOhm Max Nonstandard



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Purchase and inquiry

Manufacturer Product Number:

PA4332.103NLT

Series:

PA4332.XXXNLT

Type:

Drum Core, Wirewound

Inductance:

10 μ H

Current Rating (Amps):

2 A

Shielding:

Shielded

Q @ Freq:

-

Ratings:

-

Inductance Frequency - Test:

1 MHz

Mounting Type:

Surface Mount

Supplier Device Package:

-

Height - Seated (Max):

0.079" (2.00mm)

Manufacturer:

Pulse Electronics

Product Status:

Active

Material - Core:

Iron

Tolerance:

\pm 20%

Current - Saturation (Isat):

2.8A

DC Resistance (DCR):

216mOhm Max

Frequency - Self Resonant:

11MHz

Operating Temperature:

-40°C ~ 125°C

Features:

-

Package / Case:

Nonstandard

Size / Dimension:

0.165" L x 0.165" W (4.20mm x 4.20mm)

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8504.50.4000

Moisture Sensitivity Level (MSL):

1 (Unlimited)






ECCN:

EAR99

SMT Power Inductor

Shielded Drum Core - PA4332.XXXNLT Series



-  **Height:** 2.0mm Max
-  **Footprint:** 4.2mm x 4.2mm Max
-  **Current Rating:** up to 5.8A
-  **Inductance Range:** 1.0uH to 10.0uH
-  **Shielded magnetic circuit reduces leakage flux, Fe base metal core enables high saturation and metalized core termination results in excellent shock resistance.**

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

Part Number	Inductance 1MHz, 1V uH ±20%	Rated Current A	Min. Self-Resonant Frequency MHz	DC Resistance		Saturation Current (20°C) A	Heating Current
				MAX.	TYP.		ΔT ≈ 40°C
				mΩ	mΩ		A
PA4332.102NLT	1.0	5.80	37	26	22	8.50	5.80
PA4332.152NLT	1.5	5.20	30	36	30	7.70	5.20
PA4332.222NLT	2.2	4.30	25	48	40	6.10	4.30
PA4332.332NLT	3.3	3.45	19	72	60	4.70	3.45
PA4332.472NLT	4.7	2.85	17	108	90	4.00	2.85
PA4332.682NLT	6.8	2.40	13	156	130	3.00	2.40
PA4332.103NLT	10.0	2.00	11	216	180	2.80	2.00

Notes:

- Actual temperature of the component during system operation (ambient plus temperature rise) must be within the standard operating range.
- The rated current as listed is either the saturation current (@ 20°C) or the heating current (ΔT ≈ 40°C) depending on which value is lower.
- The saturation current is the current at which the initial inductance drops approximately 30% at the stated ambient temperature. This current is determined by placing the component in the specified ambient environment and applying a short duration pulse current (to eliminate self-heating effect) to the component.
- The heating current is the DC current required to raise the component temperature by approximately 40°C. Take note that the components' performance varies depending on the system condition. It is suggested that the component be tested at the system level, to verify the temperature rise of the component during system operation.
- Maximum voltage across terminals to be limited to <40Vdc

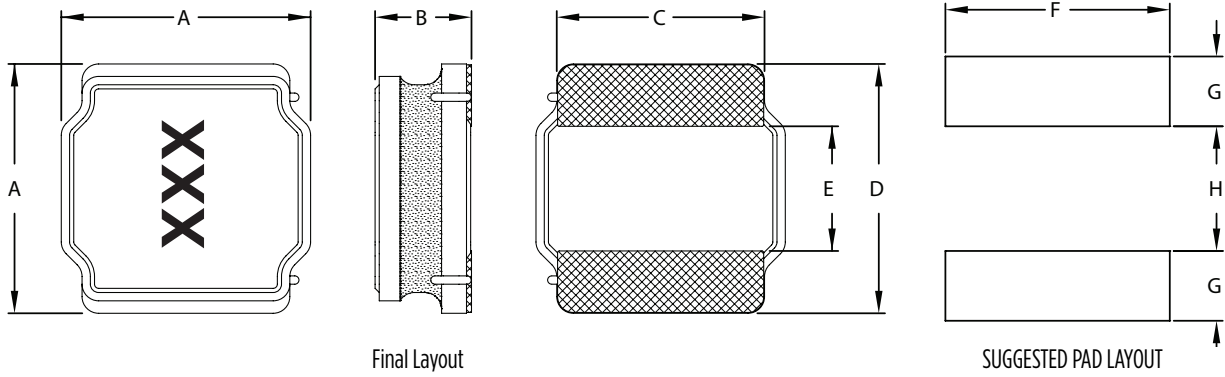
SMT Power Inductor

Shielded Drum Core - PA4332.XXXNLT Series



Mechanical

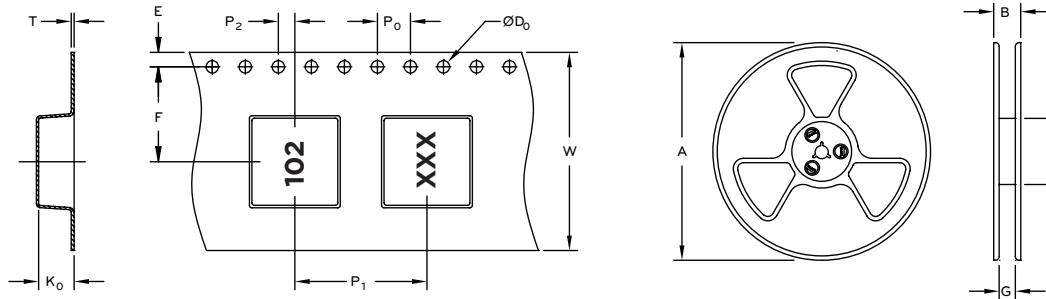
PA4332.XXXNLT



Series	A	B	C	D	E	F	G	H
PA4332.XXXNLT	4.2 MAX	2.0 MAX	(3.1)	(4.0)	(2.1)	(3.7)	(1.1)	(1.9)

All Dimensions in mm.

TAPE & REEL INFO



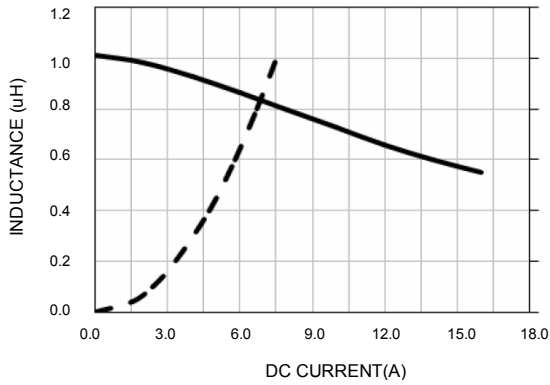
	SURFACE MOUNTING TYPE, REEL/TAPE LIST													QTY
	REEL SIZE (mm)				TAPE SIZE (mm)									
	A	B	G	N	E	F	D ₀	P ₁	P ₀	P ₂	W	T	K ₀	PCS/REEL
PA4332.XXXNLT	Ø330	18.4	12.4	100	1.75	5.5	1.5	8	4	2	12	0.40	2.4	3000

SMT Power Inductor
Shielded Drum Core - PA4332.XXXNLT Series

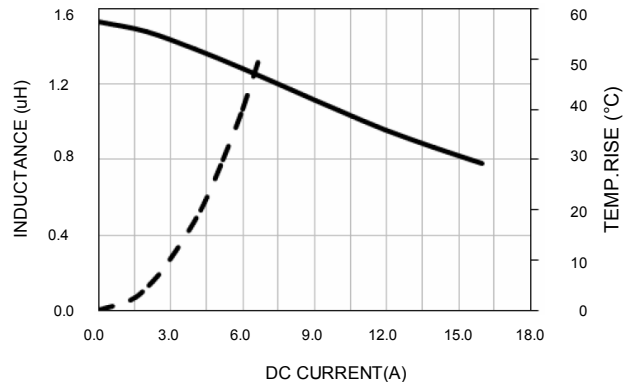


TAPE & REEL INFO

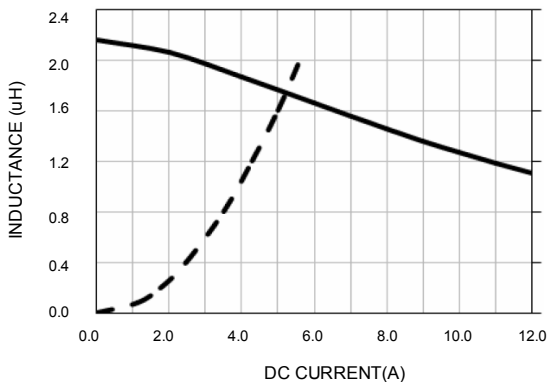
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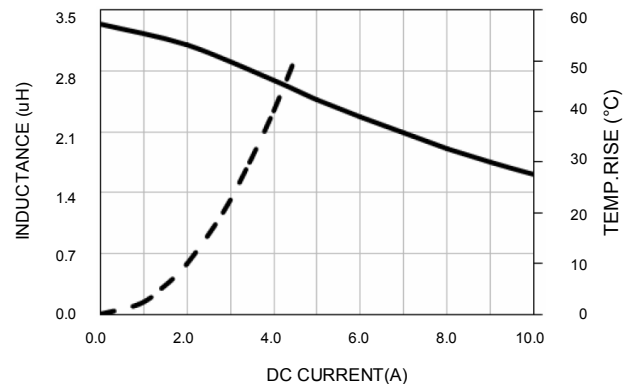
PA4332.152NLT



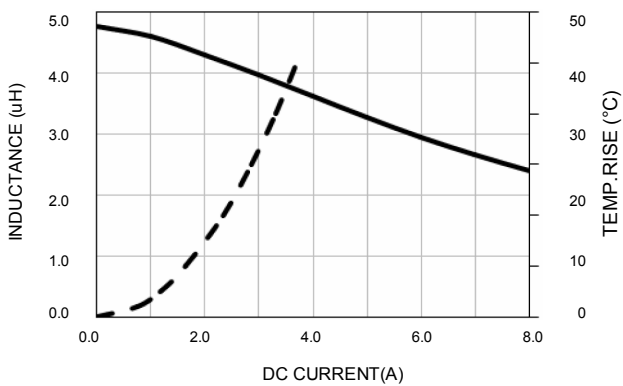
PA4332.222NLT



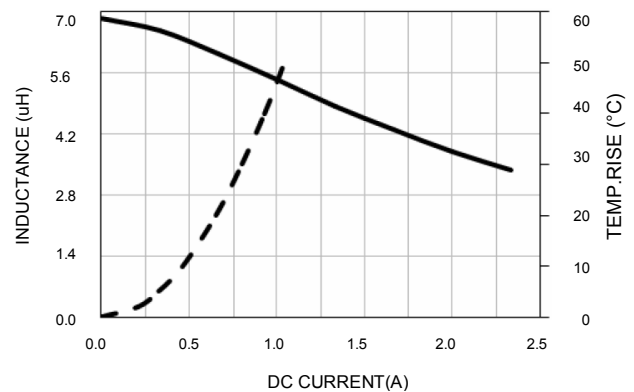
PA4332.332NLT



PA4332.472NLT

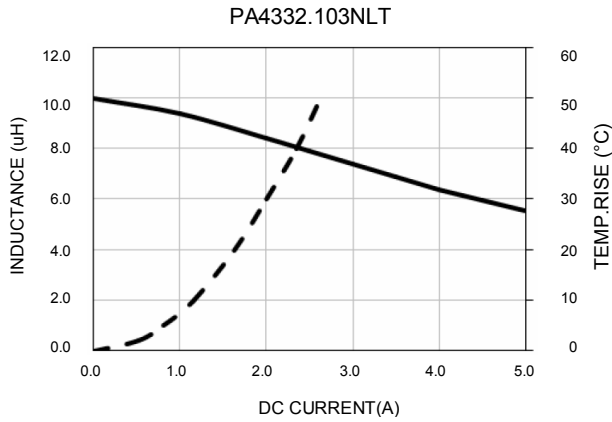


PA4332.682NLT



SMT Power Inductor

Shielded Drum Core - PA4332.XXXNLT Series



For More Information:

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