

# Shielded Drum Core Inductor

PA4302.XXXNLT Series



- Height:** 5.6mm Max
- Footprint:** 7.5 x 7.5 mm Max
- Current Range:** 0.5A to 7.5A
- Inductance Range:** 1uH to 330uH

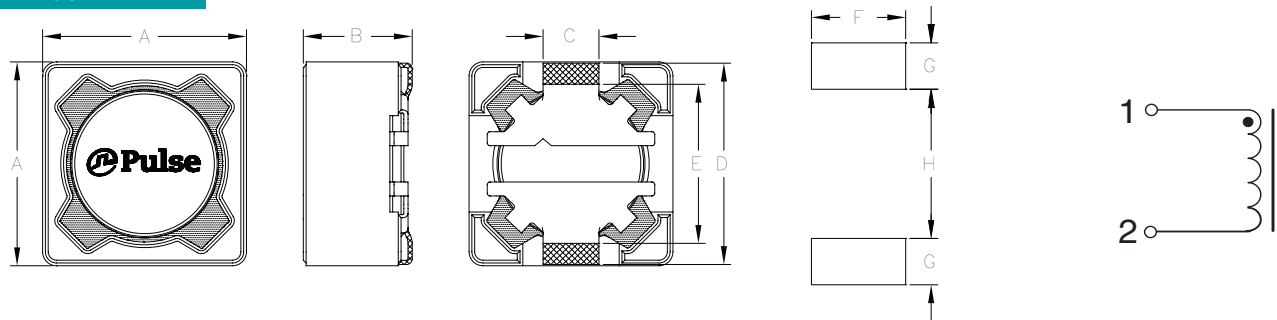
### Electrical Specifications @ 25°C — Operating Temperature -40°C to 125°C

Pulse Part Number	Inductance (uH)	Rated Current (A) Max	DC Resistance (mΩ) Max
PA4302.102NLT	1.0	7.5	20
PA4302.332NLT	3.3	5.6	22.8
PA4302.472NLT	4.7	4.8	26.8
PA4302.682NLT	6.8	4	36.8
PA4302.103NLT	10	3	55
PA4302.473NLT	47	1.45	185
PA4302.683NLT	68	1.2	265
PA4302.104NLT	100	1	380.5
PA4302.224NLT	220	0.72	765
PA4302.334NLT	330	0.5	1344

### Mechanical

### Schematic

#### PA4302.XXXNLT



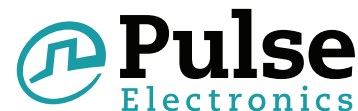
FINAL OUTLINE

SUGGESTED PAD LAYOUT

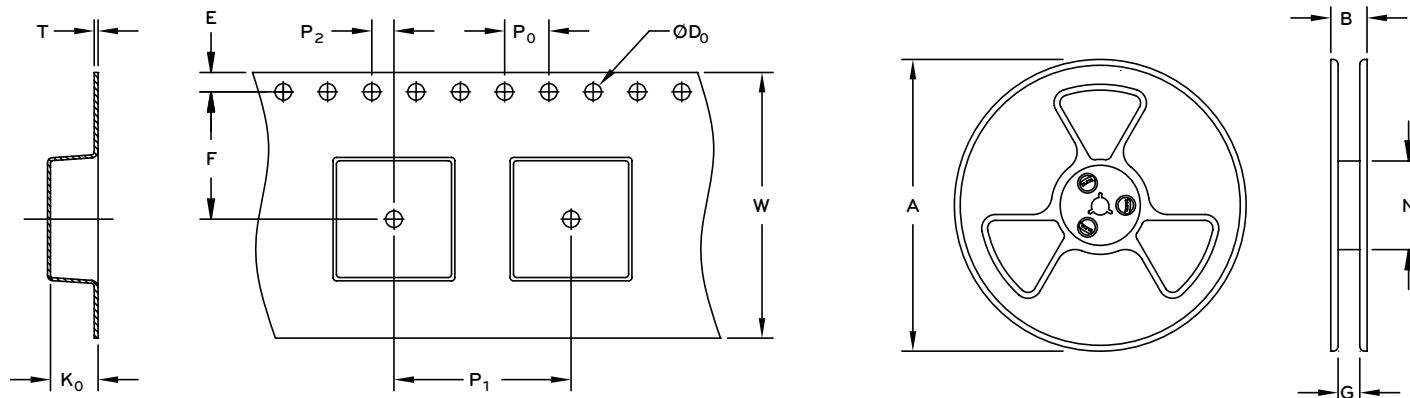
Part Number	A (max)	B (max)	C	D	E	F	G	H
PA4302.XXXNLT	7.5 MAX	5.6 MAX	(2.0)	(7.2)	(5.0)	(2.3)	(1.6)	(4.8)

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## TAPE & REEL INFO



### SURFACE MOUNTING TYPE, REEL/TAPE LIST

TYPE	REEL SIZE (mm)				TAPE SIZE (mm)									QTY
	A	B	G	N	E	F	Do	P	P0	P2	W	T	K0	PCS/REEL
PA4302.XXXNLT	0330	21	16.5	100	1.75	7.5	1.5	12	4	2	16	0.40	5.6	900

#### NOTES:

- Inductance tolerance is +/-30% for inductance values between 1uH and 6.8uH and +/-20% for values between 10uH and 330uH.
- Inductance is measured at 100kHz, 250mV
- 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 25C.
- The temperature of the component (ambient plus temperature rise) must be within the stated operating temperature.

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