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Shielded Drum Core Inductor

PA4302.XXXNLT Series

Pulse Electronics

RoHS COMPLIANT



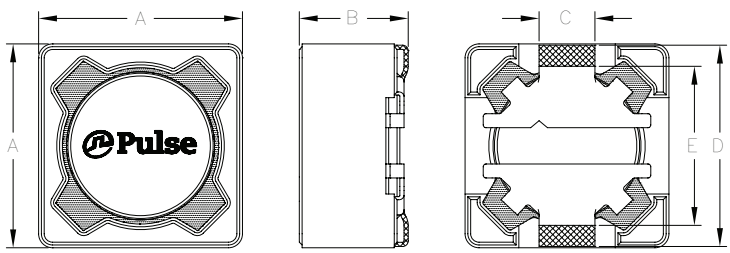
- **Height:** 5.6mm Max
- **Footprint:** 7.5 x 7.5 mm Max
- **Current Range:** 0.5A to 7.5A
- **Inductance Range:** 1uH to 330uH

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

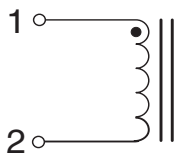
PA4302.XXXNLT



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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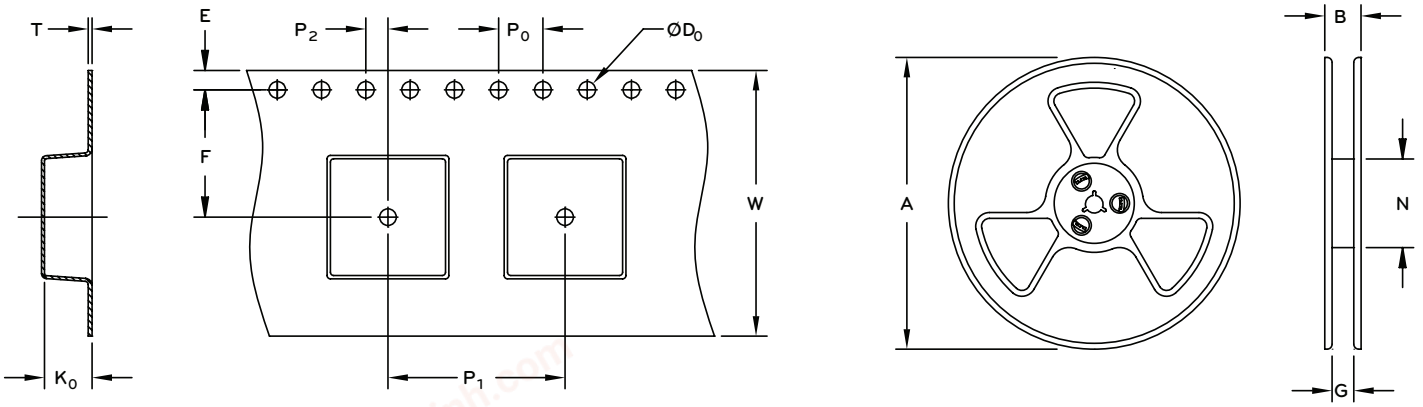
TAPE & REEL INFO



SURFACE MOUNTING TYPE, REEL/TAPE LIST

TYPE	REEL SIZE (mm)				TAPE SIZE (mm)									QTY
	A	B	G	N	E	F	D0	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:

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

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