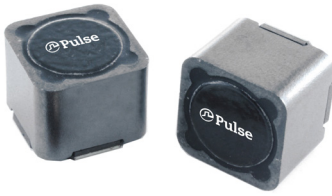


Shielded Drum Core Inductor

PA4320 Series



-  **Height:** 10.0 Max
-  **Footprint:** 12.3mm x 12.3mm Max
-  **Current Rating:** up to 7.6A
-  **Inductance Range:** 10uH to 1000uH

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

PART NUMBER	Inductance 100 KHz, 100 mV (uH±20%)	Rated Current (A)	DCR (mOHMS MAX)	Saturation Current (Typical) A ²			Heating Current ³	
				10% Drop	20% Drop	30% Drop	20°C Rise	40°C Rise
PA4320.103NLT	10	7.6	16	9.6	11.5	12.5	5.4	7.6
PA4320.153NLT	15	7.0	22	8.3	9.9	10.7	4.8	7.0
PA4320.223NLT	22	5.6	30	6.8	8.1	8.8	4.0	5.6
PA4320.473NLT	47	4.2	56	4.5	5.4	5.8	3.0	4.2
PA4320.104NLT	100	2.8	125	3.1	3.7	4.0	2.0	2.8
PA4320.154NLT	150	2.3	185	2.6	3.1	3.4	1.6	2.3
PA4320.334NLT	330	1.7	340	1.7	2.1	2.2	1.2	1.7
PA4320.105NLT	1000	1.0	960	0.98	1.2	1.3	0.69	1.0

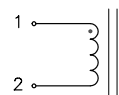
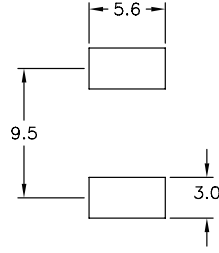
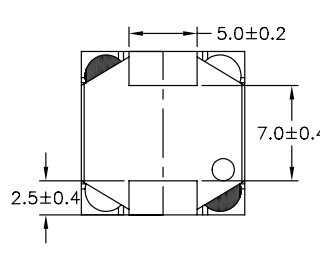
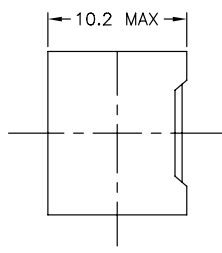
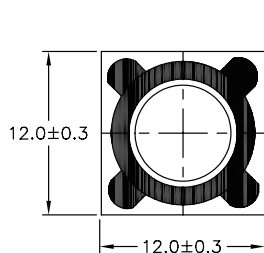
NOTES:

- Actual temperature of the component during system operation (ambient plus temperature rise) must be within the standard operating range.
- The Saturation Current is the current at which the initial inductance drops approximately by the amount shown 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 Rated Current is the DC current required to raise the component temperature by the value shown. Take note that the component's 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.

Mechanical

Schematic

PA4320.XXXNLT

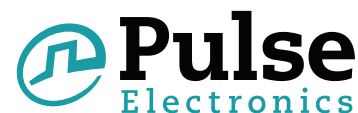


FINAL OUTLINE

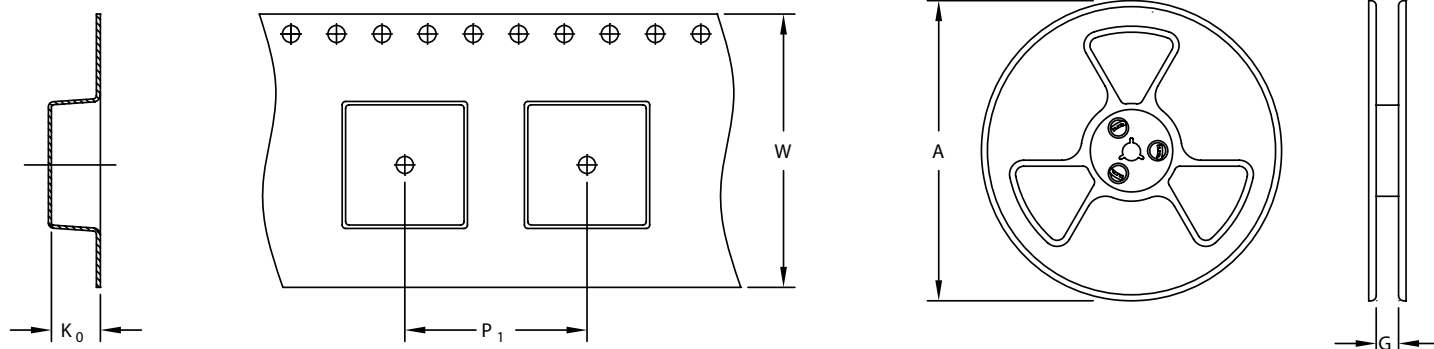
SUGGESTED LAYOUT

Shielded Drum Core Inductor

PA4320 Series



TAPE & REEL INFO



SURFACE MOUNTING TYPE, REEL/TAPE LIST

TYPE	REEL SIZE (mm)		TAPE SIZE (mm)			QTY
	A	G	P ₁	W	K ₀	PCS/REEL
PA4320.XXXNLT	Ø330	24.5	16	24	10.9	300

For More Information

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

Pulse Europe
Pulse Electronics GmbH
Am Rottland 12
58540 Meinerzhagen
Germany

Pulse China Headquarters
B402, Shenzhen Academy of
Aerospace Technology Bldg.
10th Kejinan Road
High-Tech Zone
Nanshan District
Shenzhen, PR China 518057

Pulse North China
Room 2704/2705
Super Ocean Finance Ctr.
2067 Yan An Road West
Shanghai 200336
China

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

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

Tel: 858 674 8100
Fax: 858 674 8262

Tel: 49 2354 777 100
Fax: 49 2354 777 168

Tel: 86 755 33966678
Fax: 86 755 33966700

Tel: 86 21 62787060
Fax: 86 21 62786973

Tel: 65 6287 8998
Fax: 65 6287 8998

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, 2016. Pulse Electronics, Inc. All rights reserved.