SMT Power Inductor

Shielded Drum Core - PA4333.XXXNLT Series



💶 Height: 3.2mm Max

Footprint: 7.4mm x 6.8mm Max

- Current Rating: up to 14A
- Inductance Range: 0.22uH to 22uH
- 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									
	Inductance	Rated	Min. Self-Resonant Frequency		DC stance	Saturation Current (20°C)	Heating Current $\Delta T \approx 40^{\circ}C$		
Part	1MHz, 1V	Current		MAX.	TYP.				
Number	uH ±20%	A	MHz	mΩ	mΩ	Α	Α		
PA4333.221NLT	0.22	14.00	108	4.0	3.3	18.00	14.00		
PA4333.331NLT	0.33	12.40	78	5.1	4.3	17.00	12.40		
PA4333.471NLT	0.47	11.00	71	6.6	5.5	16.50	11.00		
PA4333.681NLT	0.68	9.50	57	8.7	7.3	12.80	9.50		
PA4333.751NLT	0.75	9.50	55	8.7	7.3	11.50	9.50		
PA4333.102NLT	1.0	9.50	41	8.7	7.3	9.50	9.50		
PA4333.152NLT	1.5	6.00	37	13.8	11.5	8.00	6.00		
PA4333.222NLT	2.2	5.65	24	18.0	15.0	6.50	5.65		
PA4333.332NLT	3.3	4.60	23	30.5	25.5	4.60	4.60		
PA4333.472NLT	4.7	3.80	15	43.5	36.5	3.80	3.80		
PA4333.682NLT	6.8	3.20	14	64.0	53.5	3.20	3.20		
PA4333.822NLT	8.2	3.10	13	69.0	58.0	3.20	3.10		
PA4333.103NLT	10	3.00	12	77.4	64.5	3.00	3.00		
PA4333.153NLT	15	2.50	11	127.0	106.0	3.00	2.50		
PA4333.223NLT	22	1.70	8	177.0	148.0	1.70	2.00		

Notes:

1. Actual temperature of the component during system operation (ambient plus temperature 4. The heating current is the DC current required to raise the component temperature by rise) must be within the standard operating range.

2. The rated current as listed is either the saturation current (@ 20°C) or the heating current $(\Delta T \approx 40^{\circ}C)$ depending on which value is lower.

3. 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.

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Singapore 65 6287 8998

Shanghai 86 21 62787060

China 86 755 33966678

approximately 40°C. Take note that the components' performance varies depending on

verify the temperature rise of the component during system operation.

5. Maximum voltage across terminals to be limited to <40Vdc

the system condition. It is suggested that the component be tested at the system level, to

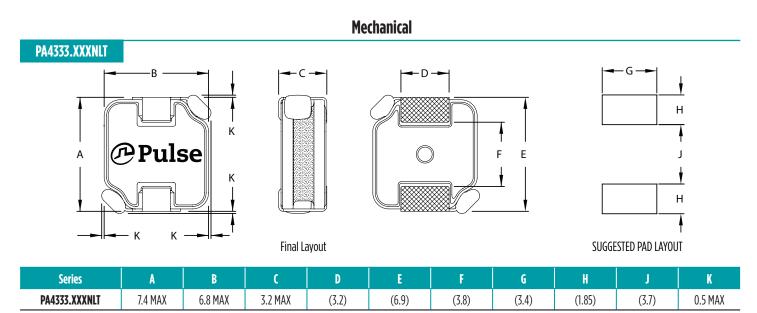
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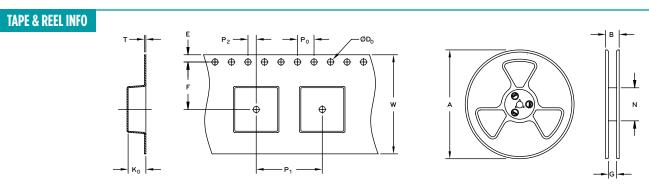


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All Dimensions in mm.



SURFACE MOUNTING TYPE, REEL/TAPE LIST														
		REEL S	ZE (mm)	TAPE SIZE (mm) QT								QTY		
	A	В	G	N	E	F	Do	P 1	Po	P2	W	T	Ko	PCS/REEL
PA4333.XXXNLT	Ø 330	22.4	16.4	100	1.75	7.5	1.5	12	4	2	16	0.40	3.6	1000

For More Inf	ormation				
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