



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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SMT Power Inductors

Shielded Drum Core - PA4337.XXXNLT Series



- Height: 4.5mm Max
- Footprint: 6.3mm x 6.3mm Max
- Current Rating: up to 6.5A
- Inductance Range: 0.47uH to 1500uH
- 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

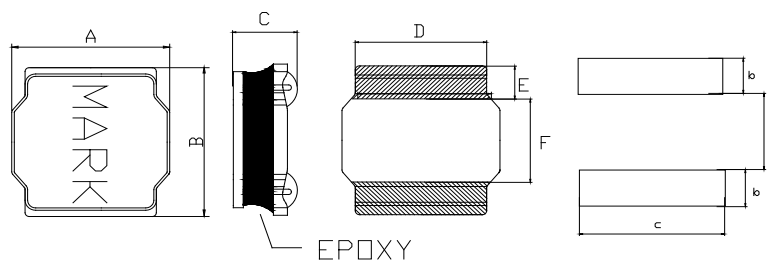
Part Number	Inductance 100 KHz, 1V uH	DC Resistance	Saturation Current	Rated Current
		MAX.	≤30% Drop	<40°C Rise
		mΩ	A	A
PA4337.471NLT	0.47±30%	8	15.00	6.50
PA4337.472NLT	4.7±20%	34	4.97	3.30
PA4337.104NLT	100±20%	563	0.95	0.80
PA4337.334NLT	330±20%	1651	0.57	0.57
PA4337.105NLT	1000±20%	4500	0.30	0.30
PA4337.155NLT	1500±20%	6989	0.28	0.21

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 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 Rated Current is the DC current required to raise the component temperature by 40°C maximum. 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

PA4337.XXXNLT



Final Layout

SUGGESTED PAD LAYOUT

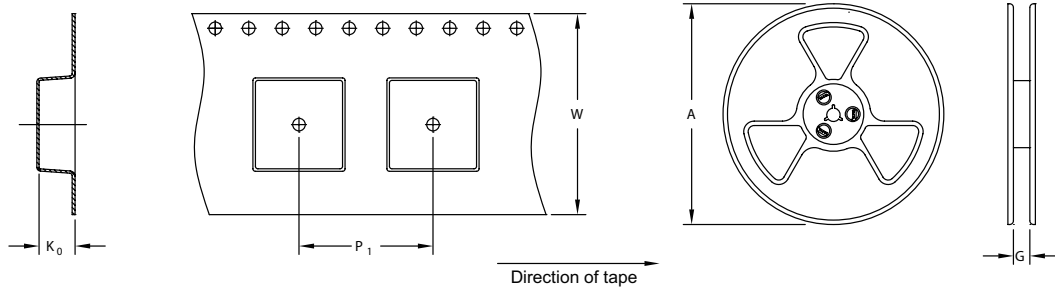
SMT Power Inductors

Shielded Drum Core - PA4337.XXXNLT Series

Series	A	B	C	D	E	F	a	b	c
PA4337.XXXNLT	6.0±0.3	6.0±0.3	4.5MAX	4.9±0.3	1.65±0.3	2.7±0.3	2.4 TYP	1.85TYP	5.1 TYP

All Dimensions in mm.

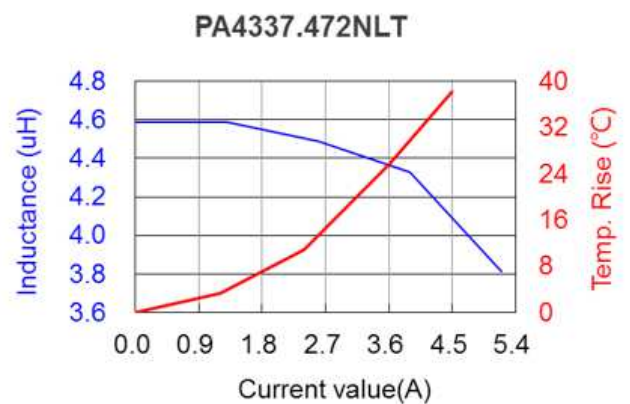
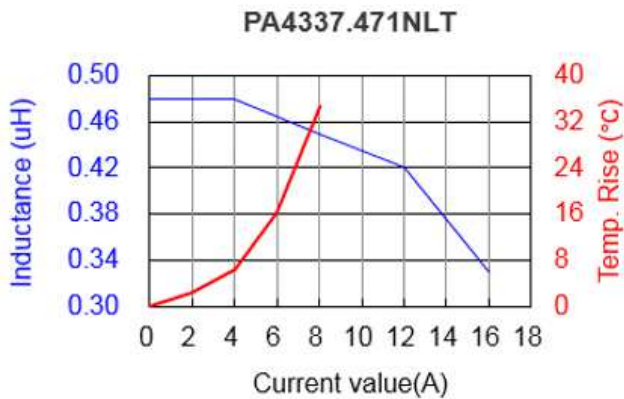
TAPE & REEL INFO



SURFACE MOUNTING TYPE, REEL/TAPE LIST

TYPE	REEL SIZE (mm)		TAPE SIZE (mm)			QTY
	A	G	P ₁	W	K ₀	PCS/REEL
PA4342.XXXANLT	Ø330	16.5	8	16	4.75	1500

Typical Performance Curves

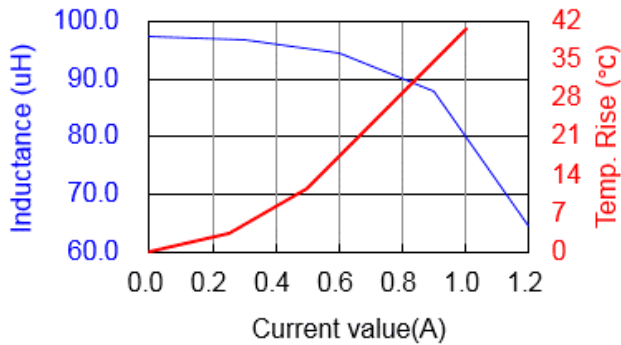


SMT Power Inductor

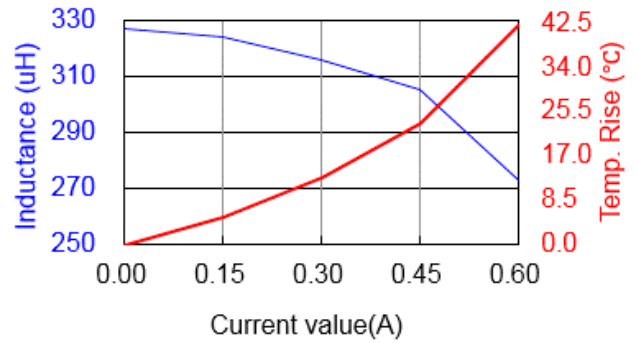
Shielded Drum Core - PA4337.XXXNLT Series



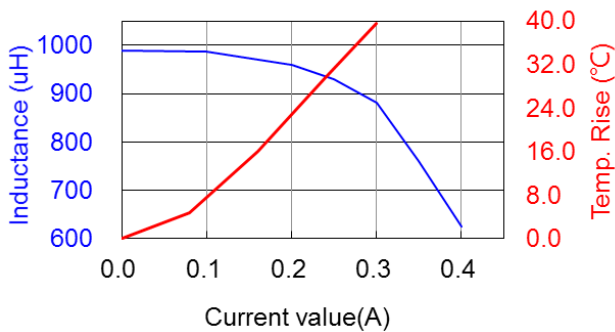
PA4337.104NLT



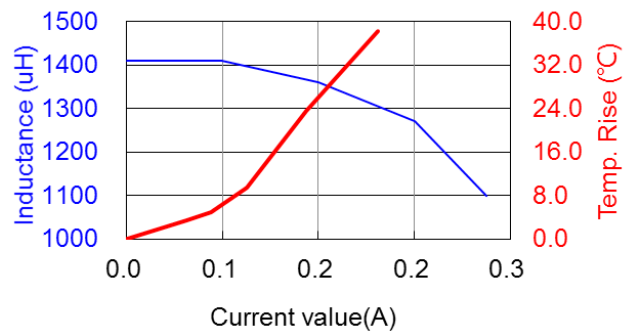
PA4337.334NLT



PA4337.105NLT



PA4337.155NLT



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