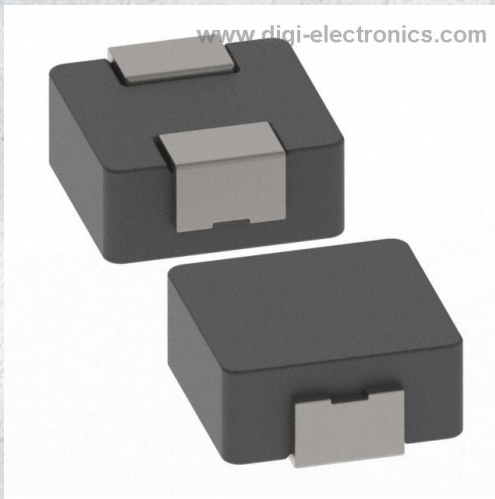


PA4341.472ANLT Datasheet



<https://www.DiGi-Electronics.com>

DiGi Electronics Part Number	PA4341.472ANLT-DG
Manufacturer	Pulse Electronics
Manufacturer Product Number	PA4341.472ANLT
Description	FIXED IND 4.7UH 5.5A 33 MOHM SMD
Detailed Description	4.7 μ H Shielded Molded Inductor 5.5 A 33mOhm Max Nonstandard



Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

DiGi is a global authorized distributor of electronic components.

Purchase and inquiry

Manufacturer Product Number:

PA4341.472ANLT

Series:

PA4341.XXXANLT

Type:

Molded

Inductance:

4.7 μ H

Current Rating (Amps):

5.5 A

Shielding:

Shielded

Q @ Freq:

-

Ratings:

AEC-Q200

Inductance Frequency - Test:

100 kHz

Mounting Type:

Surface Mount

Supplier Device Package:

-

Height - Seated (Max):

0.118" (3.00mm)

Manufacturer:

Pulse Electronics

Product Status:

Active

Material - Core:

-

Tolerance:

\pm 20%

Current - Saturation (Isat):

6.5A

DC Resistance (DCR):

33mOhm Max

Frequency - Self Resonant:

-

Operating Temperature:

-55°C ~ 155°C

Features:

-

Package / Case:

Nonstandard

Size / Dimension:

0.280" L x 0.260" W (7.10mm x 6.60mm)

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8504.50.8000

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99

SMT Power Inductor

High Current Molded Power Inductor - PA4341.XXXANLT Series



- Ⓟ **Height:** 3.0mm Max
- Ⓟ **Footprint:** 7.4mm x 6.8mm Max
- Ⓟ **Current Rating:** up to 25.0A
- Ⓟ **Inductance Range:** 0.15uH to 22.0uH
- Ⓟ Shielded construction and compact design
- Ⓟ High current, low DCR, and high efficiency
- Ⓟ Minimized acoustic noise and minimized leakage flux
- Ⓟ 200 Vdc Isolation between terminal and core

Electrical Specifications @ 25°C - Operating Temperature -55°C to +155°C

Part Number ^{6,7}	Inductance ^{5,8} 100KHz, 1V	Rated ³ Current	DC Resistance		Saturation ² Current	SRF	K factor
		TYP.	TYP.	MAX.	TYP.	TYP.	
	uH±20%	A	mΩ	mΩ	A	MHz	
PA4341.151ANLT	0.15*	25	1.7	2.1	36	160	336.4
PA4341.221ANLT	0.22	21	2.0	2.5	32	130	524.0
PA4341.331ANLT	0.33	20	2.8	3.4	22	95	271.6
PA4341.361ANLT	0.36	18	3.3	3.9	21	90	216.5
PA4341.471ANLT	0.47	16	3.4	4	18	62	250.5
PA4341.561ANLT	0.56	15	3.9	4.5	16	57	210.5
PA4341.681ANLT	0.68	14.5	4.7	5.3	15	52	178.3
PA4341.821ANLT	0.82	13	5.4	6	14	50	150.9
PA4341.102ANLT	1.0	11	6.7	7.4	13.5	42	134.0
PA4341.122ANLT	1.2	9.5	7.7	9.5	12.5	40	113.4
PA4341.152ANLT	1.5	9	10.2	12.1	12	38	83.3
PA4341.222ANLT	2.2	7.5	13.5	15	9	26	68.5
PA4341.272ANLT	2.7	7.0	17.3	20	8.8	25	61.3
PA4341.332ANLT	3.3	6.0	19	22	8.5	22	55.4
PA4341.472ANLT	4.7	5.0	28	33	5.5	20	43.3
PA4341.562ANLT	5.6	5.0	39	42	5.2	17	34.9
PA4341.682ANLT	6.8	4.2	43	50	5.0	16	48.6
PA4341.822ANLT	8.2	4.0	54	60	4.7	15	40.5
PA4341.103ANLT	10	3.5	62	68	4.5	14	35.9
PA4341.153ANLT	15	2.5	110	140	4.0	10	31.5
PA4341.223ANLT	22	2.0	150	190	2.5	8	22.9

SMT Power Inductor

High Current Molded Power Inductor - PA4341.XXXANLT Series

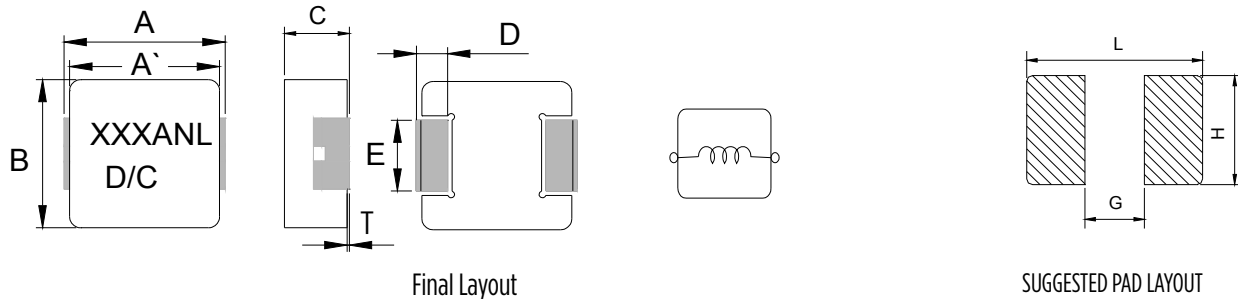


Notes:

- 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 by approximately 30% at the stated ambient temperature. The maximum allowable drop at this stated current is 40% of the initial inductance. 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 approximately 40°C. Take note that the components' 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.
- The part temperature (ambient+temp rise) should not exceed maximum operating temperature under worst case operating conditions. Circuit design, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
- Please note that the inductance tolerance of all parts are ±20%, except those indicated by an * which are +/- 30%.
- Parts shown in bold are standard catalog parts and are available through sample stock and distribution. Parts in lighter font are available but are not necessarily held in sample stock or distribution and lead times may be longer. Please contact Pulse for availability.
- The mechanical dimensions are 100% tested in production but do not necessarily meet a product capability index (Cpk) 1.33 and therefore may not strictly conform to PPAP.
- Special Characteristics

Mechanical

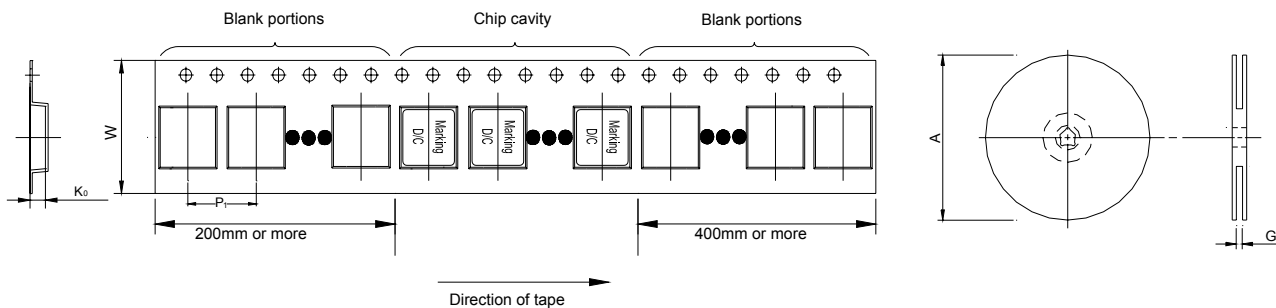
PA4340.XXXANLT



Series	A	A'	B	C	D	E	T	L	G	H
PA4341.XXXANLT	7.1±0.3	6.4±0.3	6.6±0.2	2.8±0.2	1.6±0.3	3.0±0.2	0-0.15	8.0	3.7	3.4

All Dimensions in mm.

TAPE & REEL INFO



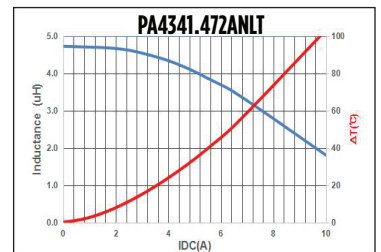
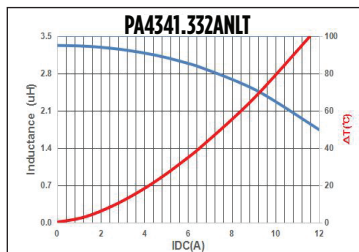
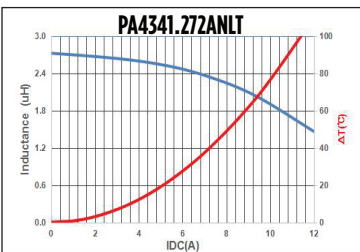
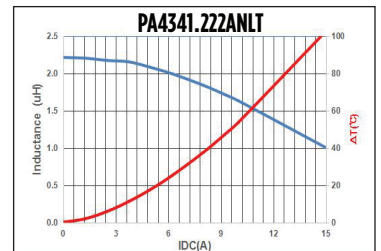
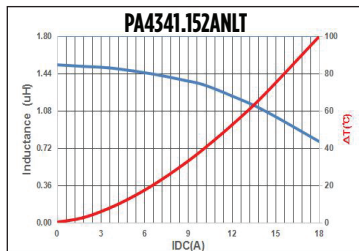
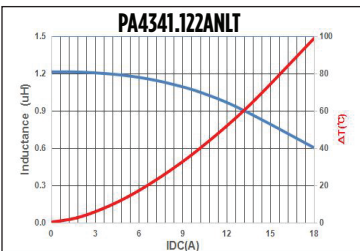
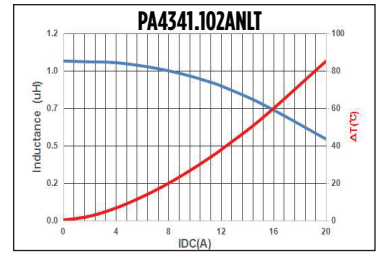
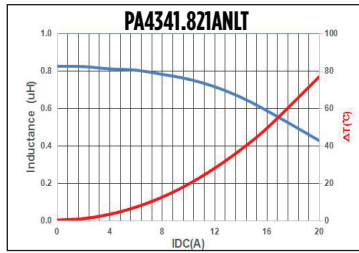
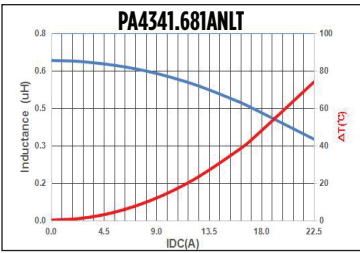
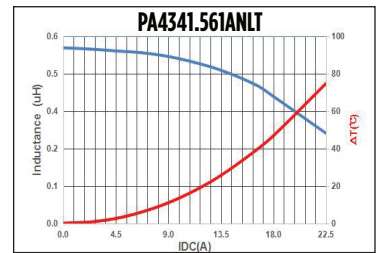
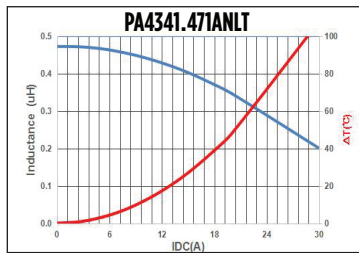
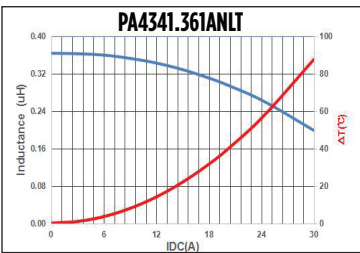
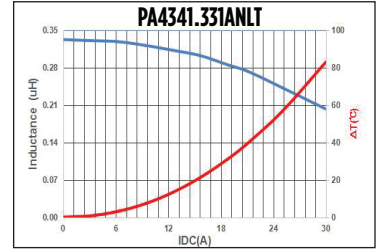
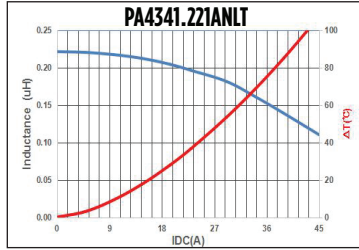
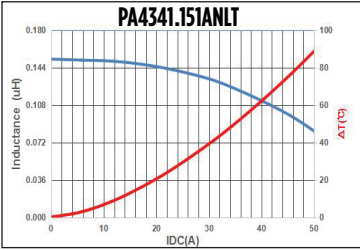
SURFACE MOUNTING TYPE, REEL/TAPE LIST						
	REEL SIZE (mm)		TAPE SIZE (mm)			QTY
	A	G	P ₁	W	K ₀	PCS/REEL
PA4341.XXXANLT	Ø330	16.4+2/-0	12.0±0.1	16±0.3	3.3±0.1	1000

SMT Power Inductor

High Current Molded Power Inductor - PA4341.XXXANLT Series

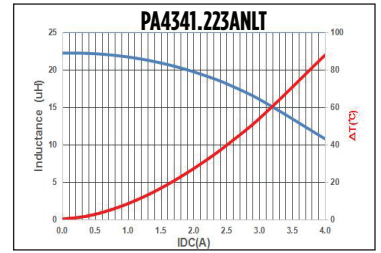
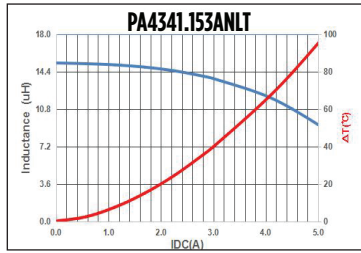
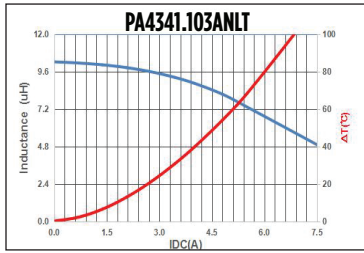
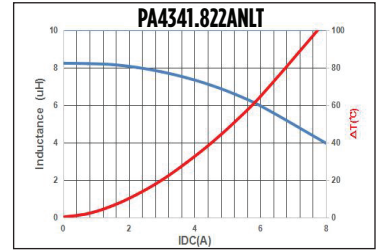
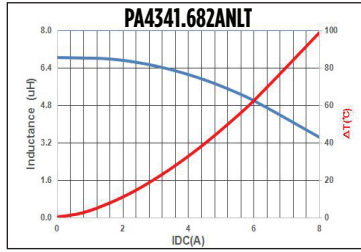
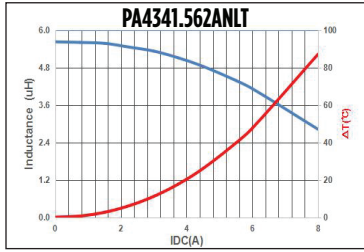


Typical Performance Curves

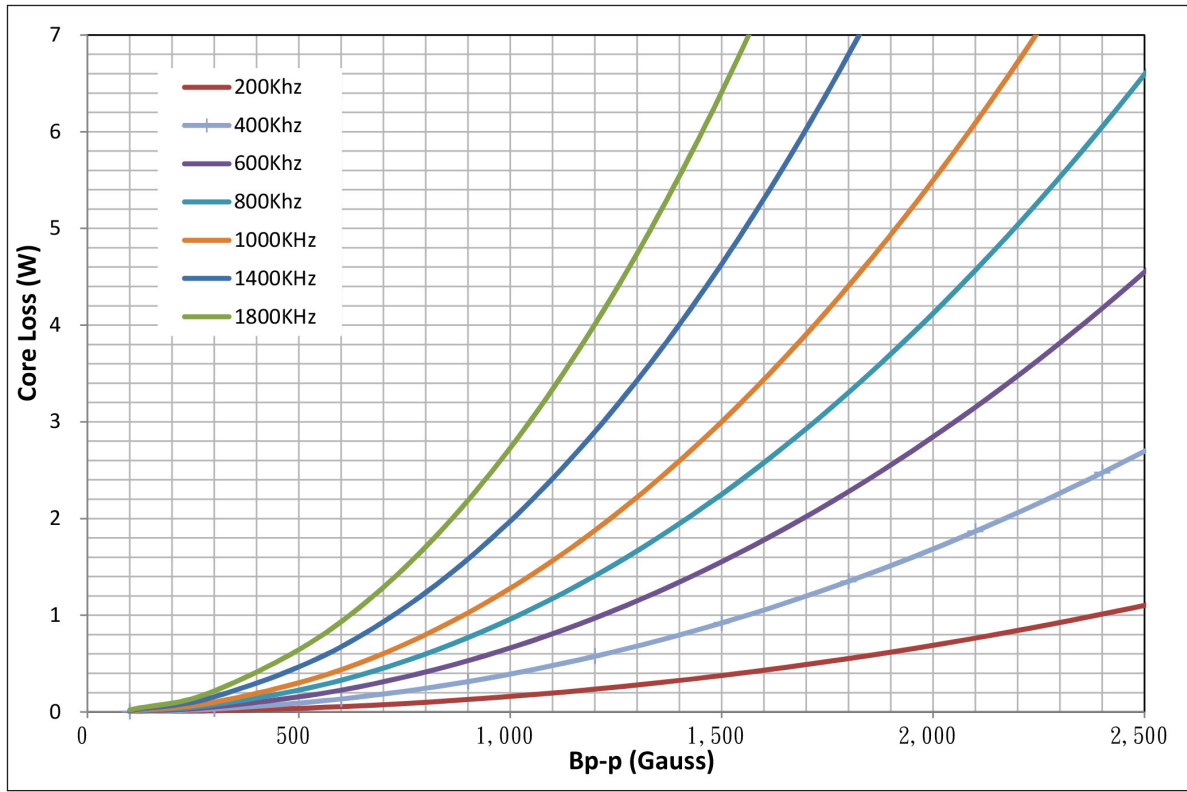


SMT Power Inductor

High Current Molded Power Inductor - PA4341.XXXANLT Series



Core Loss



$$Bp-p = K * L(uH) * \Delta I(A)$$

For More Information:

Americas - prodinfo_power_americas@yageo.com | Europe - prodinfo_power_emea@yageo.com | Asia - prodinfo_power_asia@yageo.com

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