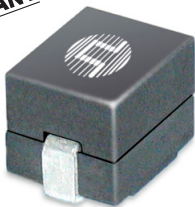
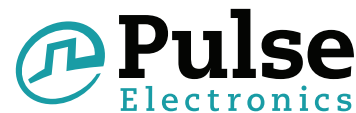


Power Beads - PA3288,XXXHL Series



- Current Rating: Over 70A_{pk}
- Inductance Range: 120nH to 300nH
- Height: 8.0mm Max
- Footprint: 9.6mm x 6.4mm Max
- Halogen Free

Part Number	Inductance ¹ (nH) @ 0A _{DC}	Inductance ² @ I _{rated} (nH TYP)	I _{rated} ³ (ADC)	DCR ⁴ (mΩ nominal)	Saturation Current ⁵			Heating Current ⁶ (A TYP)
					25°C	100°C	125°C	
PA3288.121HL	120	116	64	0.29 +/- 5%	94	74	69	64
PA3288.151HL	150	142	57.5		66	53	48	64
PA3288.221HL	220	216	35		44	35	32.5	64
PA3288.281HL	280	264	27		35	27	25.5	64
PA3288.301HL	300	276	25.5		33	25.5	24	64

1. Inductance measured at 100kHz, 100mVrms.

2. Inductance at I_{rated} is the value of the inductance at 25°C at the listed rated current.

3. The rated current as listed is either the saturation current (25°C or 100°C) or the heating current depending on which value is lower.

4. The nominal DCR is measured from point (a) to point (b), as shown below on the mechanical drawing.

5. The saturation current is the typical current which causes the inductance to drop by 20% at the stated ambient temperatures (25°C, 100°C and 125°C). This current is determined by placing the component in the specified ambient environment and applying a short duration pulse current (to eliminate self-heating effects) to the component.

6. The heating current is the DC current which causes the part temperature to increase by approximately

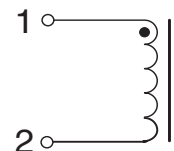
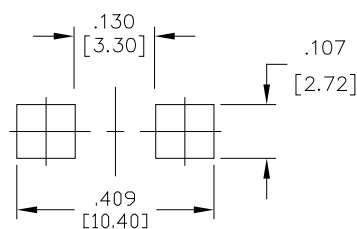
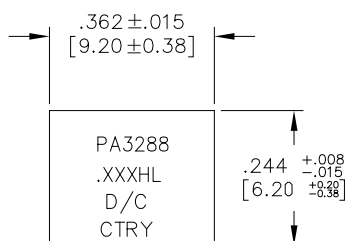
40°C when used in a typical application.

7. In high volt*time applications, additional heating in the component can occur due to core losses in the inductor which may necessitate derating the current in order to limit the temperature rise of the component. To determine the approximate total losses (or temperature rise) for a given application, the coreloss and temperature rise curves can be used.

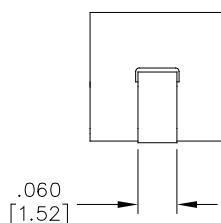
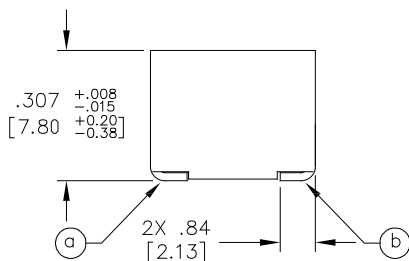
8. Optional Tape & Reel packaging can be ordered by adding a “T” suffix to the part number (i.e. PA3288.151HL becomes PA3288.151HL**T**).
Pulse complies to industry standard tape and reel specification EIA481. The tape and reel for this product has a width (W=24mm), pitch (Po=12.0mm) and depth (Ko=8.5mm).

9. The temperature of the component (ambient plus temperature rise) must be within the stated operating temperature range.

Schematic



SUGGESTED PAD LAYOUT



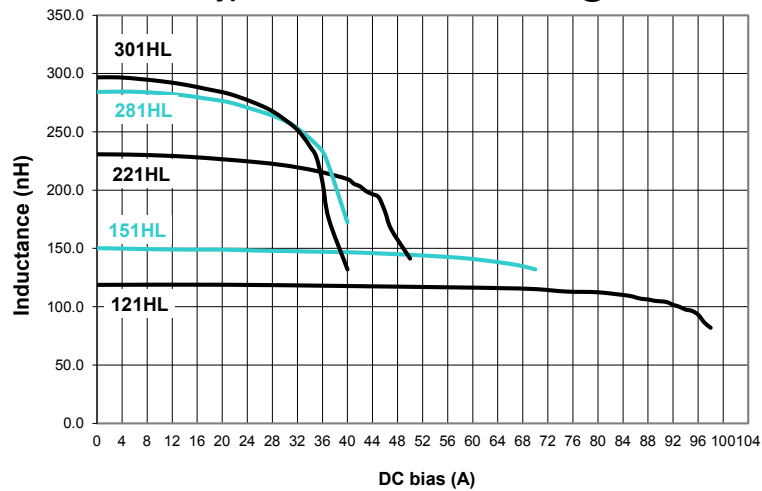
Weight 2.4 grams

Tape & Reel560/reel

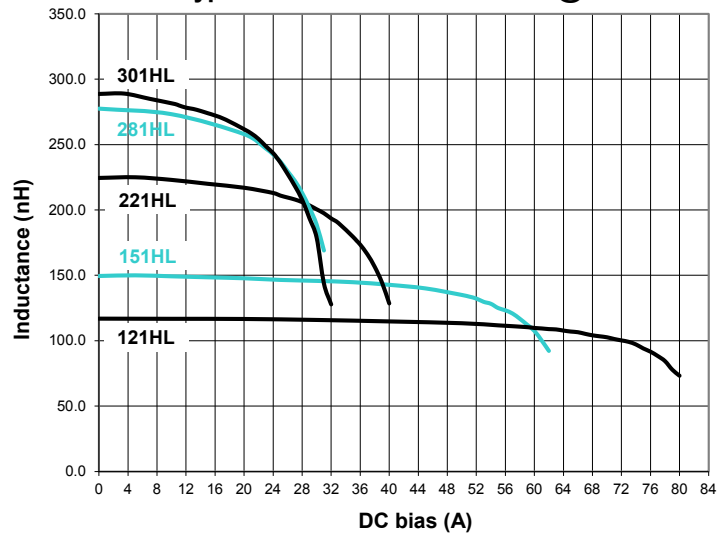
Dimensions: Inches
mm

Unless otherwise specified, all tolerances
are $\pm \frac{.010}{0.25}$

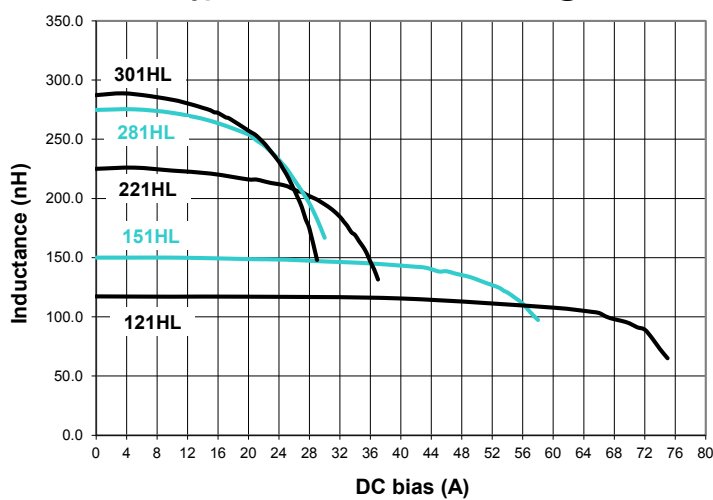
Typical Inductance vs DC Bias @25°C



Typical Inductance vs DC Bias @100°C

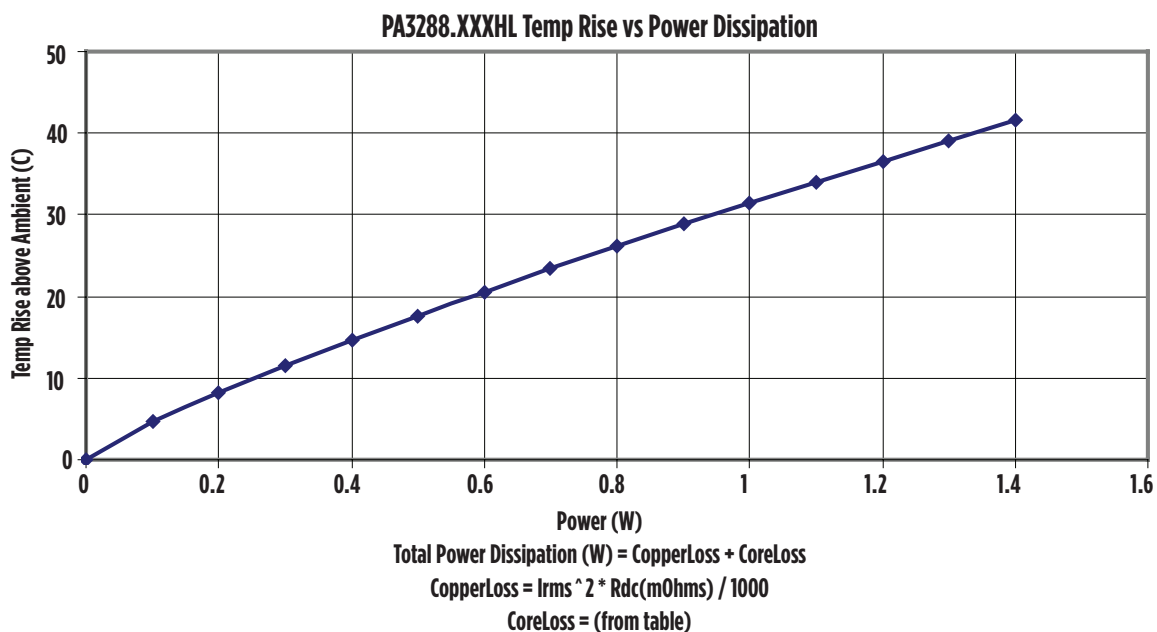
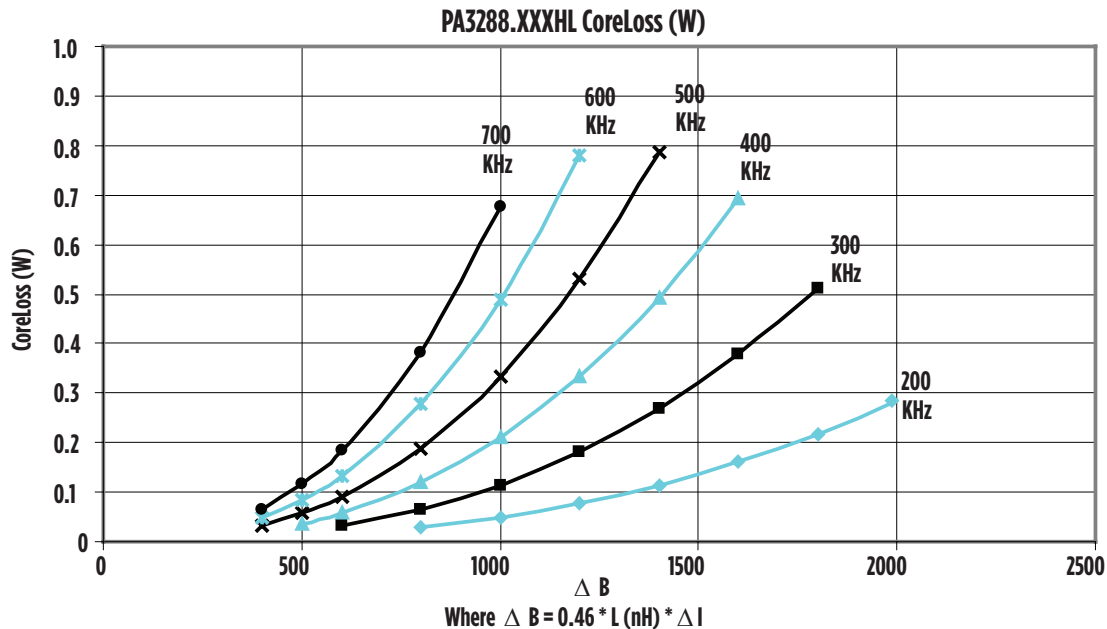


Typical Inductance vs DC Bias @125°C



SMT POWER INDUCTORS

Power Beads - PA3288.XXXHL Series



For More Information

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

Tel: 858 674 8100
 Fax: 858 674 8262

Pulse Europe
 Pulse Electronics GmbH
 Am Rottland 12
 58540 Meinerzhagen
 Germany

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

Pulse China Headquarters
 B402, Shenzhen Academy of
 Aerospace Technology Bldg.
 10th Kejinan Road
 High-Tech Zone
 Nanshan District
 Shenzhen, PR China 518057
 Tel: 86 755 33966678
 Fax: 86 755 33966700

Pulse North China
 Room 2704/2705
 Super Ocean Finance Ctr.
 2067 Yan An Road West
 Shanghai 200336
 China
 Tel: 86 21 62787060
 Fax: 86 2162786973

Pulse South Asia
 135 Joo Seng Road
 #03-02
 PM Industrial Bldg.
 Singapore 368363
 Tel: 65 6287 8998
 Fax: 65 6287 8998

Pulse North Asia
 3F, No. 198
 Zhongyuan Road
 Zhongli City
 Taoyuan County 320
 Taiwan R. O. C.
 Tel: 886 3 4356768
 Fax: 886 3 4356823 (Pulse)
 Fax: 886 3 4356820 (FRE)

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