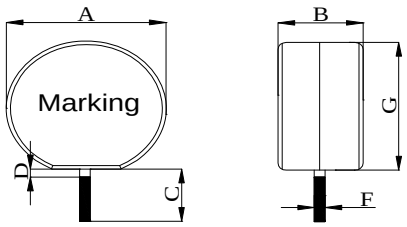
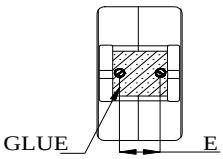
Power Puck Inductor Series

1. Features:

· Compact design to save space .
· Excellent DC Bias performance.
· Inductance:3.3uH to 1000uH . Custom values are welcomed.
· Operating Temperature Range -40°C to + 150°C ,RoHs & HF compliance.



Front view　　Side view



Bottom view

2. Mechanical Dimension(Unit:mm):

Part Number	A Max.	B Max.	C ± 1.0	D Max.	E ± 1.0	F* ± 0.1	G Max.
PP3220	32.0	22.0	17.0	1.5	10.5	See below table	33.0
PP4020	40.0	22.0	17.0	1.5	10.3		41.0

3. Electrical Characteristic of Power Puck :

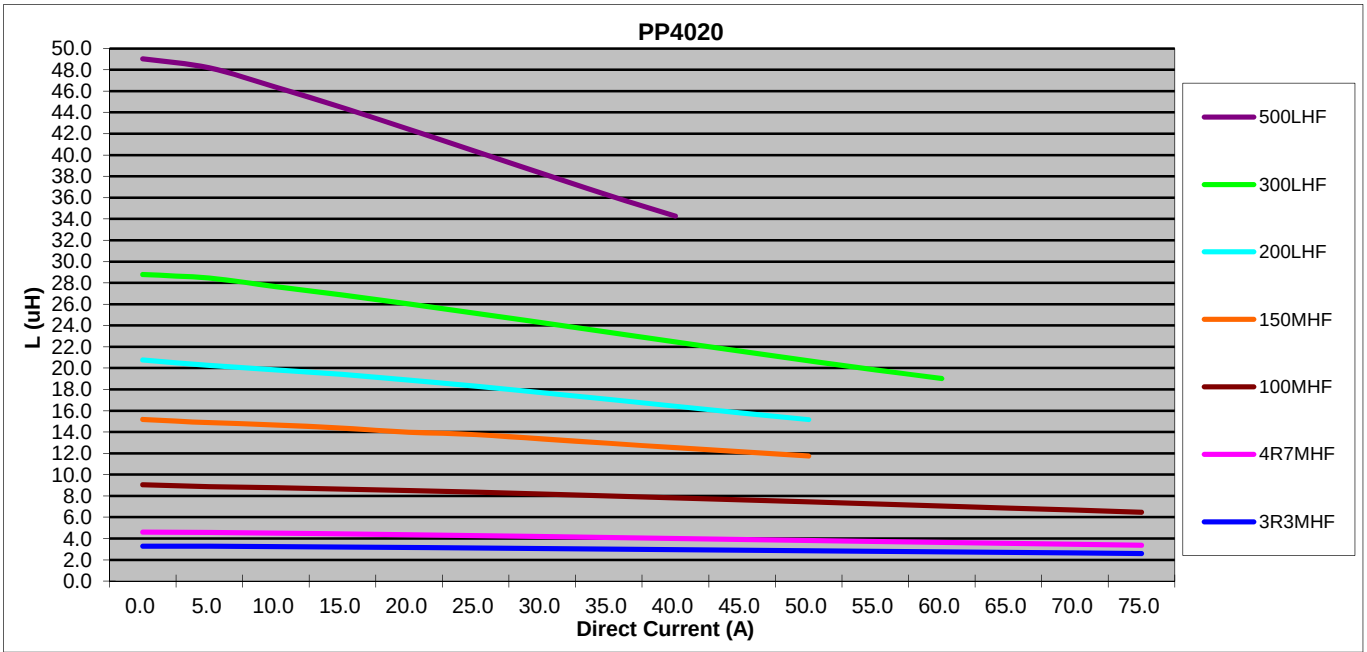
Part Number	Inductance (uH) 10%,15% or 20%	DCR (mΩ) Typ.	DCR (mΩ) Max.	Irms (A) @25℃	L@Irms (A) Ref.	Imax (A) @25℃	L@Imax (A) Ref.	F* (mm) ± 0.1
PP4020-3R3MHF	3.3 , 20%	1.07	1.30	50.00	2.85	75.00	2.60	2.60
PP4020-4R7MHF	4.7 , 20%	1.28	1.55	40.00	4.10	60.00	3.70	2.60
PP4020-100MHF	10 , 20%	3.53	4.50	33.00	8.90	53.00	8.60	2.00
PP4020-150MHF	15 , 20%	5.64	7.00	32.00	13.00	50.00	12.40	1.80
PP4020-200LHF	20 , 15%	6.60	8.00	29.00	17.20	45.00	15.20	1.70
PP4020-300LHF	30 , 15%	9.23	11.00	25.00	25.50	41.00	23.20	1.70
PP3220-500KHF	50 , 10%	19.35	23.30	12.00	48.70	18.00	47.20	1.30
PP4020-500LHF	50 , 15%	14.04	17.00	23.00	43.50	35.00	36.90	1.60
PP3220-101KHF	100 , 10%	35.62	43.00	10.00	95.70	13.00	93.20	1.10
PP4020-121KHF	120 , 10%	33.69	40.50	13.00	112.50	15.00	111.20	1.40
PP3220-221KHF	220 , 10%	73.30	88.00	7.00	210.90	9.00	205.70	0.90
PP4020-251KHF	250 , 10%	50.60	61.00	9.50	205.70	12.00	190.00	1.20
PP3220-331KHF	330 , 10%	113.65	136.50	5.50	316.80	7.50	307.60	0.80
PP4020-501KHF	500 , 10%	106.62	128.00	7.00	409.50	9.00	372.40	1.00
PP3220-102KHF	1000 , 10%	325.00	390.00	4.00	826.50	5.60	727.90	0.60
PP4020-102KHF	1000 , 10%	235.00	282.00	4.50	857.10	6.50	764.20	0.80

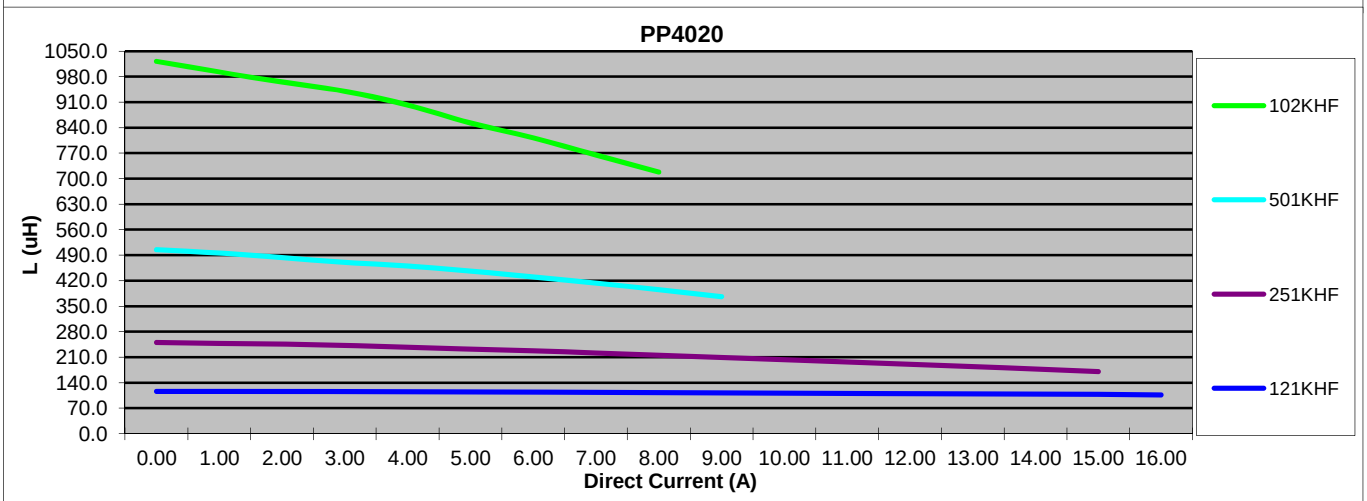
Note:
1>.Open Circuit Inductance (OCL) test condition:300KHz,0.25Vrms,0Adc ,at 25℃.
2>.Full Load Inductance (FLL) Test condition:300KHz,0.25Vrms ,Isat ;(Ta=25℃).
3>.Irms:the DC current required to raise the component temperature by 40°C .
Imax: the DC current required to raise the component temperature by 100°C .

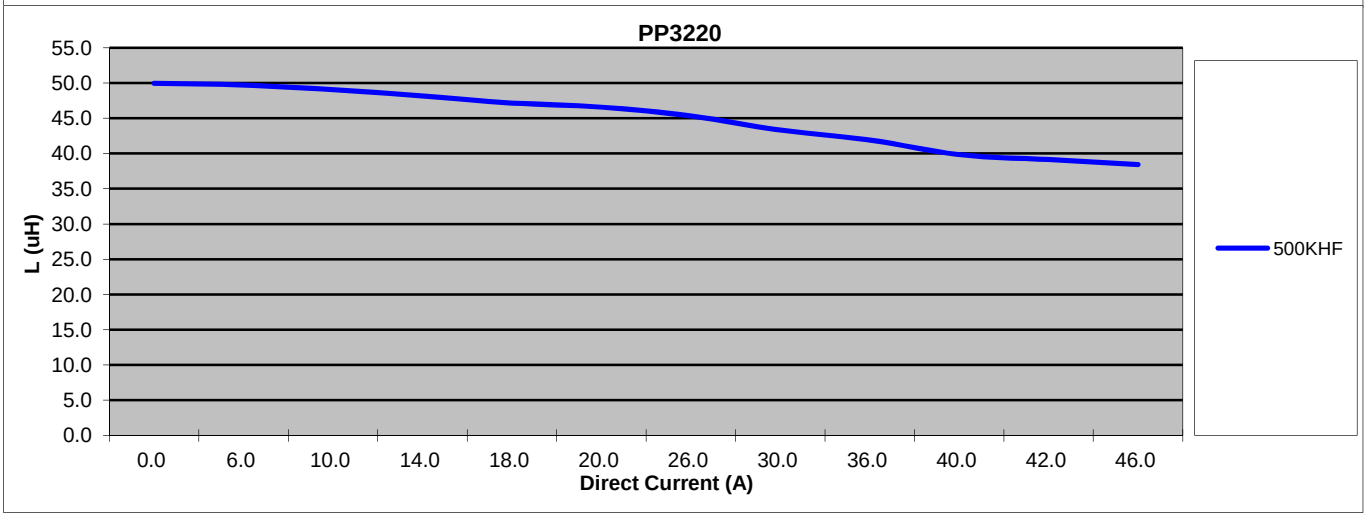
4. Inductance Characteristics (Inductance vs. Current):

Power Puck Inductor Series

Inductance vs. Current







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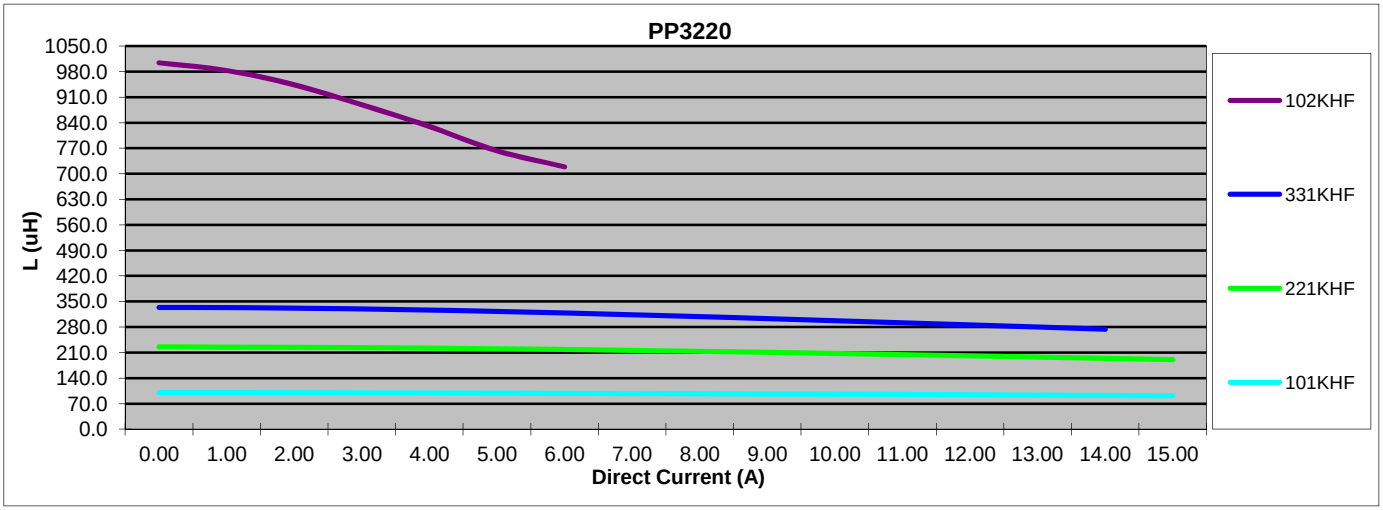
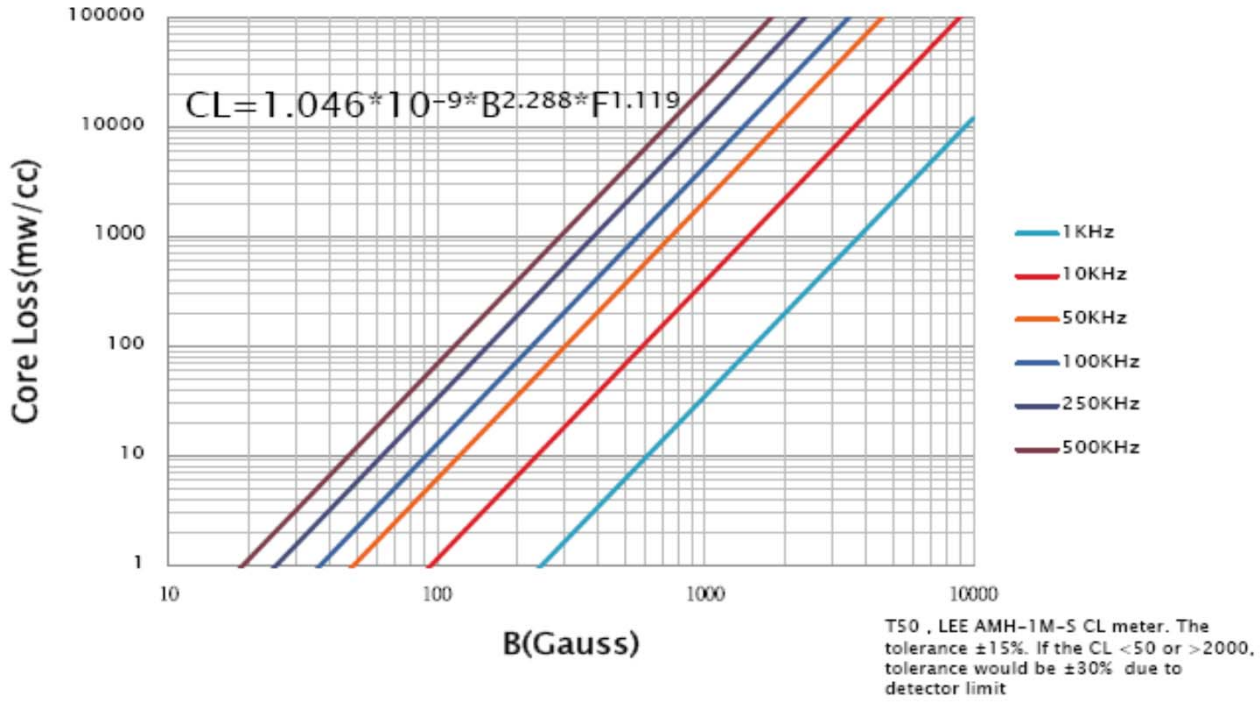
Inductance vs. Current



Core Loss Curve



T50 , LEE AMH-1M-S CL meter. The tolerance ±15%. If the CL <50 or >2000, tolerance would be ±30% due to detector limit

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