



PNL4030-SERIES-A



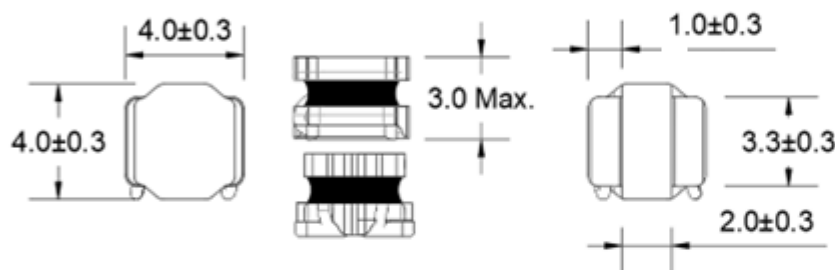
Applications

- Noise suppression for motors : windshield wipers / power seats / power mirrors / heating and ventilation blower / HID lighting
- Engine and transmission control units
- DC/DC converters for entertainment/navigation systems
- LED drivers
- Battery power systems

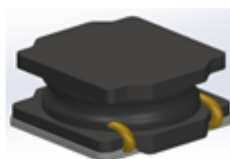
Environmental data

- Operating temperature range : -50°C ~ +125°C(component)
- Storage conditions (packaged) : -25°C ~ +40°C, ≤75% RH
- Complies with AEC-Q200 standard

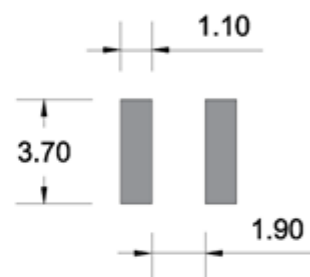
Dimensions [Unit : mm]



Picture



Land Pattern [Unit : mm]



Specifications

Part No.	L0 Inductance(μH) 100kHz, 1V, 0A	DCR (mΩ)		Saturation Current DC(A) a)	Heating Rating Current DC(A) b)
		TYP.	MAX.	MAX.	MAX.
PNL4030-R47N-A	0.47±30%	11	14	7.5	4
PNL4030-1R0N-A	1.0±30%	15	20	5.9	3.4
PNL4030-1R5N-A	1.5±30%	25	33	4.85	3.3
PNL4030-1R8N-A	1.8±30%	30	39	4.25	3.2
PNL4030-2R2M-A	2.2±20%	35	46	4.1	2.95
PNL4030-3R3M-A	3.3±20%	40	52	3.3	2.4
PNL4030-3R6M-A	3.6±20%	53	69	3.1	2.3
PNL4030-3R9M-A	3.9±20%	57	74	3	2.1
PNL4030-4R7M-A	4.7±20%	60	78	2.9	2
PNL4030-5R6M-A	5.6±20%	70	91	2.75	1.95
PNL4030-6R8M-A	6.8±20%	75	98	2.6	1.7
PNL4030-7R5M-A	7.5±20%	90	117	2.2	1.65
PNL4030-8R2M-A	8.2±20%	100	130	2.1	1.6
PNL4030-100M-A	10.0±20%	115	150	1.95	1.5
PNL4030-120M-A	12.0±20%	140	182	1.7	1.35

Notes

- * All test data is referenced to 25 °C ambient
- a) DC current (A) that will cause L0 to drop approximately 30 %
- b) DC current (A) that will cause an approximate ΔT of 40 °C

Packing Q'ty (PCS)

- * Reel : 2,000
- * Box : 10,000



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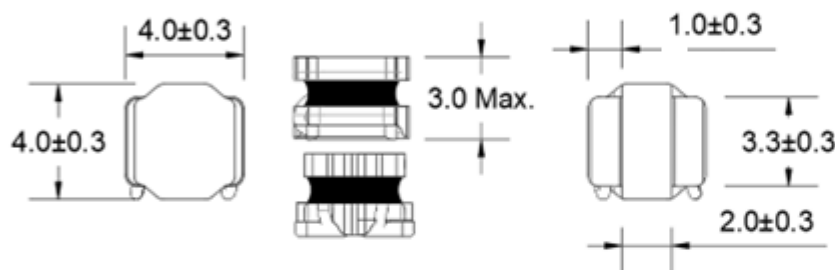
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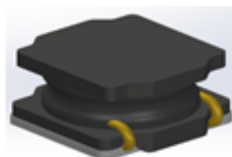
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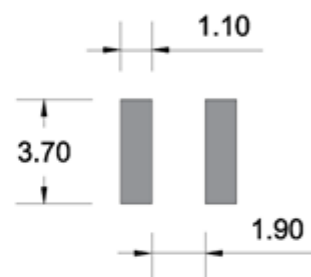
Dimensions [Unit : mm]



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Land Pattern [Unit : mm]



Specifications

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		TYP.	MAX.	MAX.	MAX.
PNL4030-150M-A	15.0±20%	190	247	1.65	1.15
PNL4030-180M-A	18.0±20%	215	280	1.4	1.1
PNL4030-220M-A	22.0±20%	225	293	1.3	1
PNL4030-270M-A	27.0±20%	320	416	1.25	0.9
PNL4030-330M-A	33.0±20%	330	429	1.1	0.84
PNL4030-470M-A	47.0±20%	500	650	0.9	0.72
PNL4030-560M-A	56.0±20%	560	728	0.85	0.65
PNL4030-680M-A	68.0±20%	750	975	0.75	0.55
PNL4030-820M-A	82.0±20%	950	1,235	0.68	0.5
PNL4030-101M-A	100.0±20%	1,150	1,495	0.6	0.45
PNL4030-151M-A	150.0±20%	2,350	3,055	0.5	0.35
PNL4030-181M-A	180.0±20%	2,500	3,250	0.4	0.35
PNL4030-221M-A	220.0±20%	3,000	3,900	0.4	0.3
PNL4030-331M-A	330.0±20%	4,400	5,720	0.3	0.23
PNL4030-471M-A	470.0±20%	5,500	7,150	0.3	0.2

Notes

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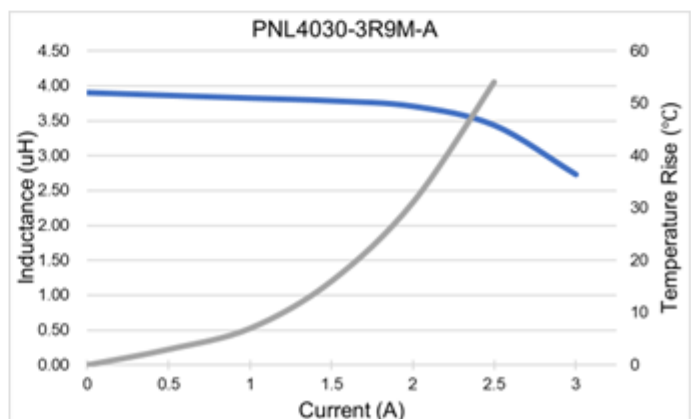
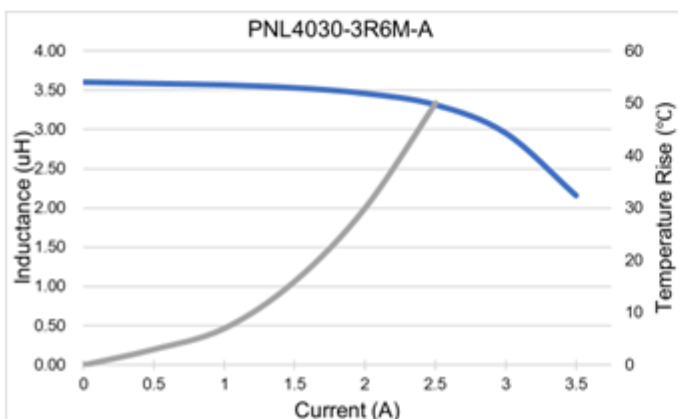
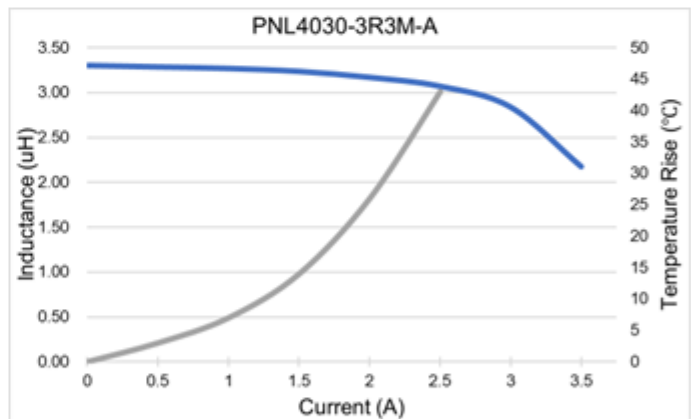
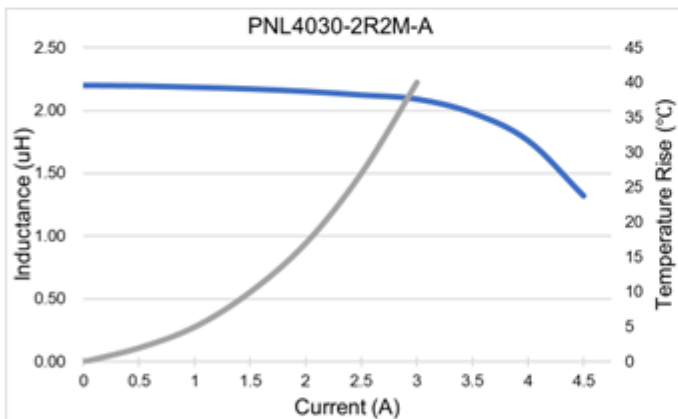
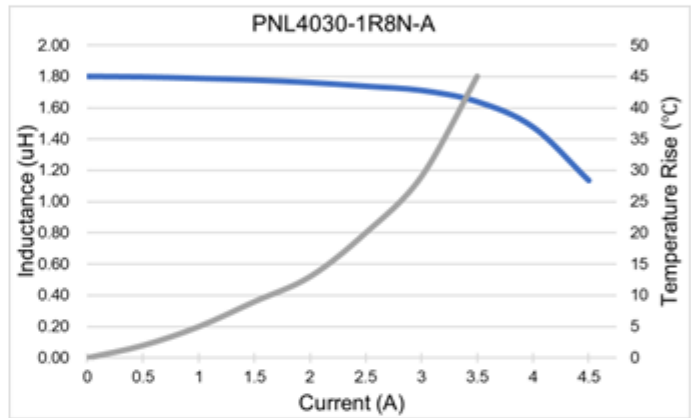
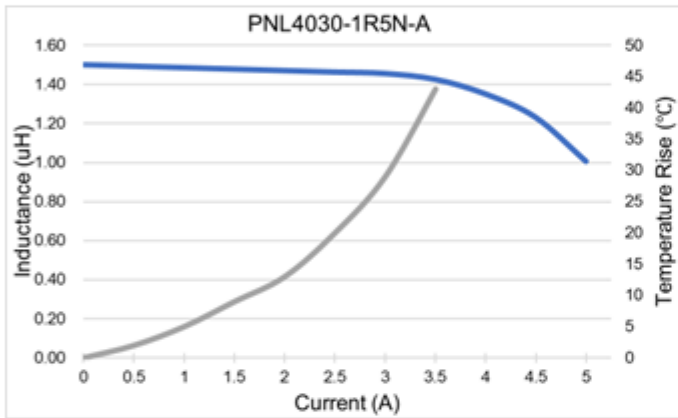
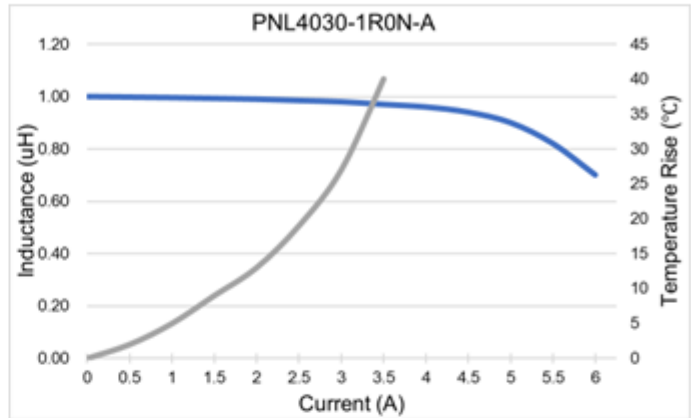
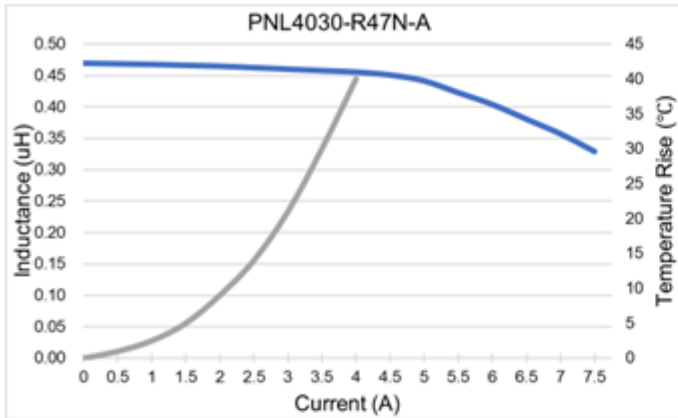
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Performance Graph

— Inductance (uH)
— Temperature Rise (°C)

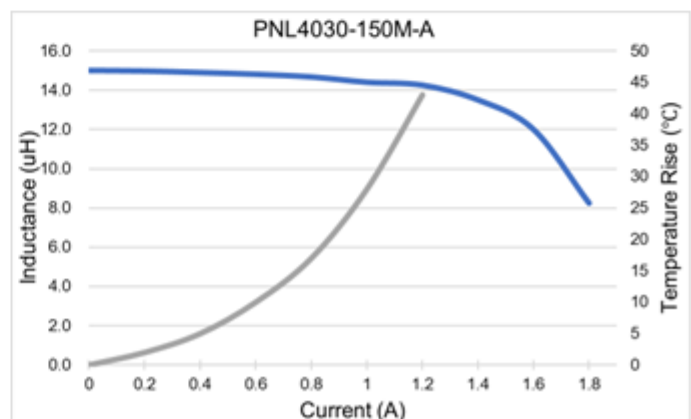
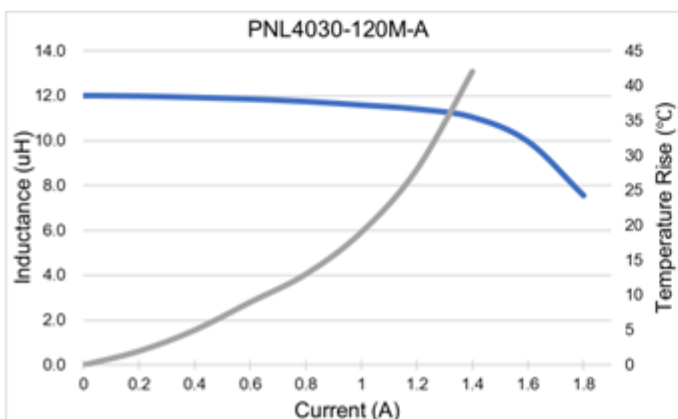
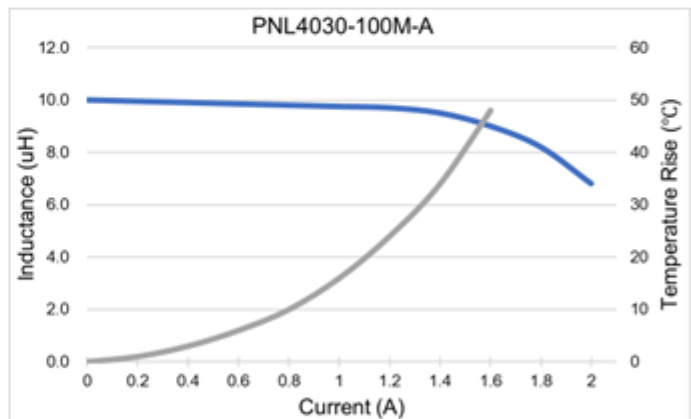
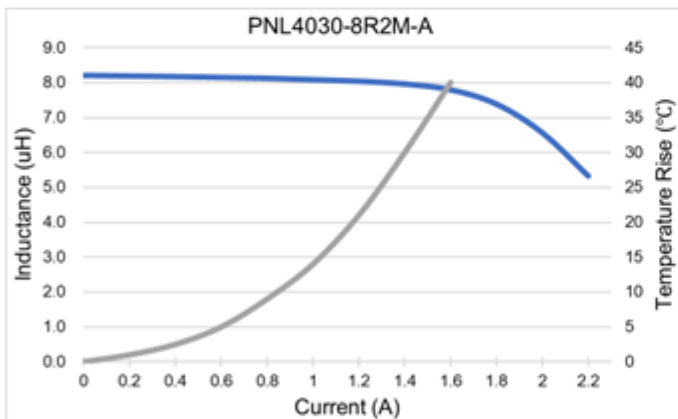
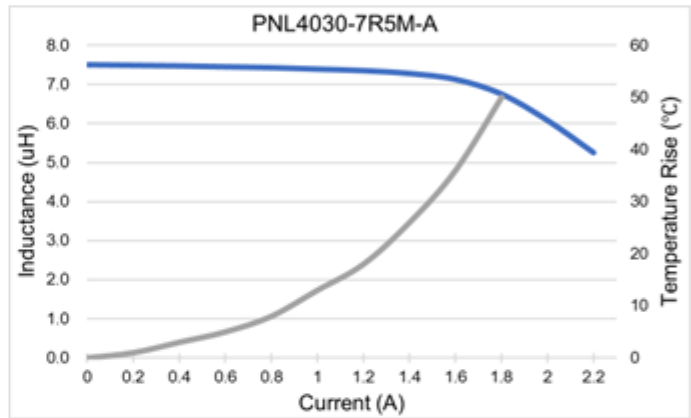
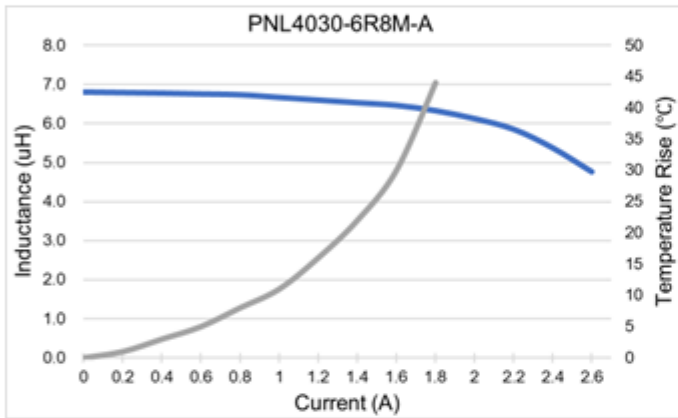
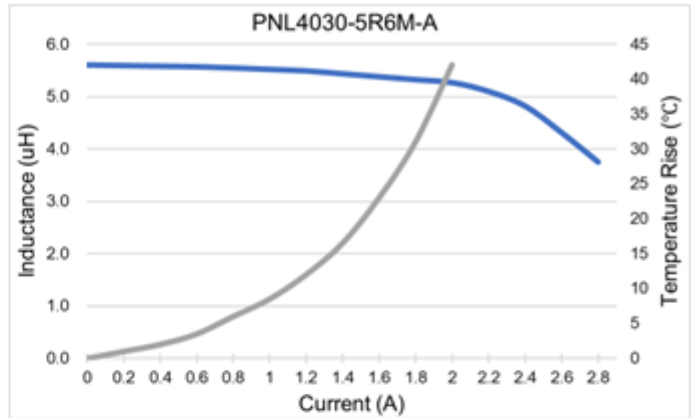
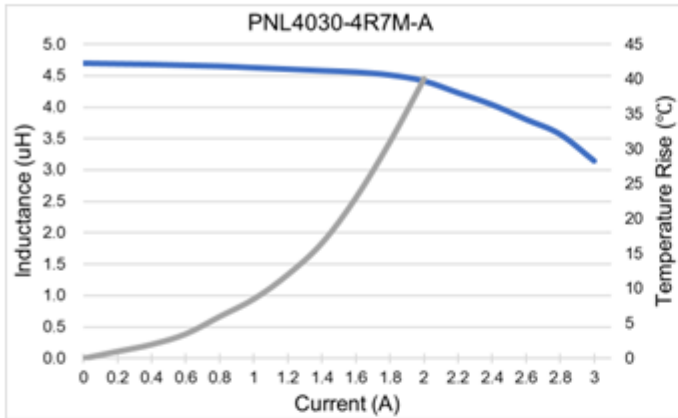




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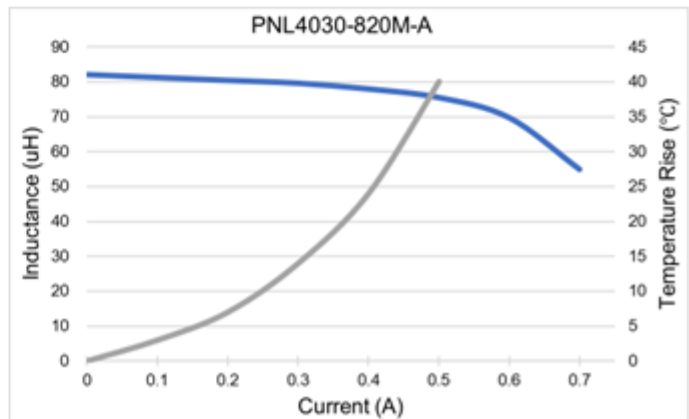
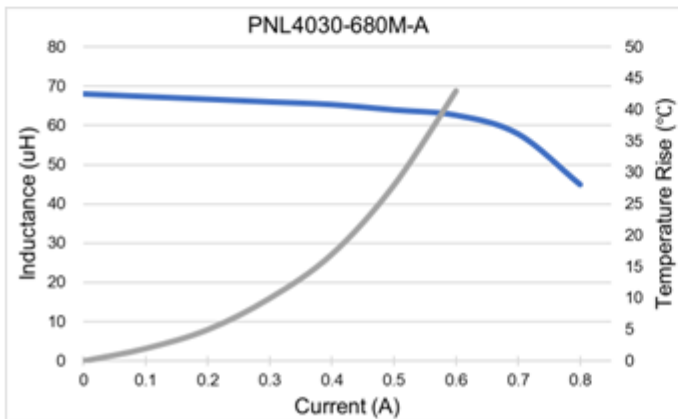
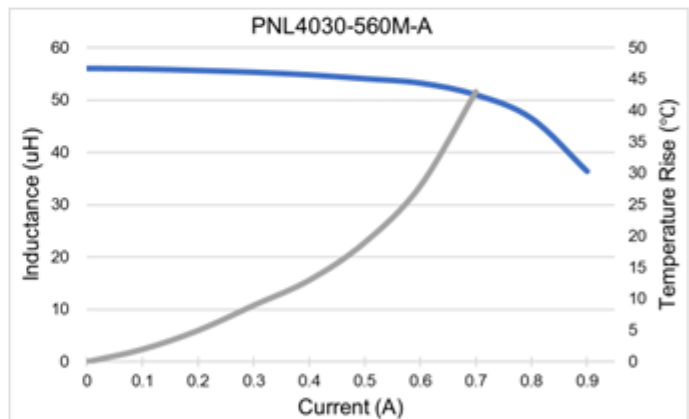
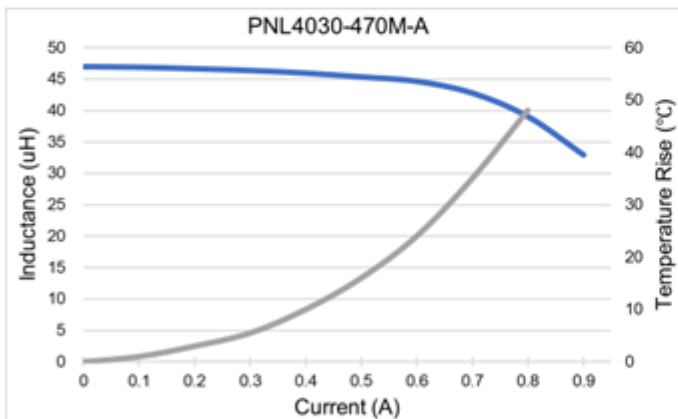
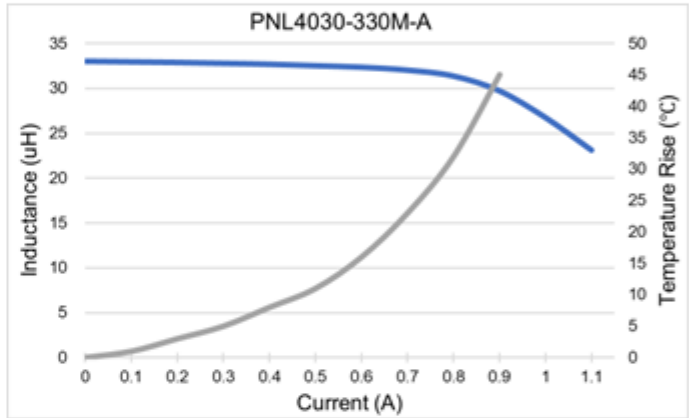
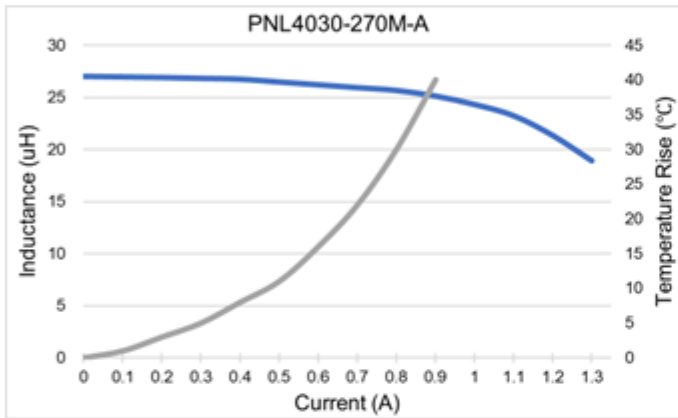
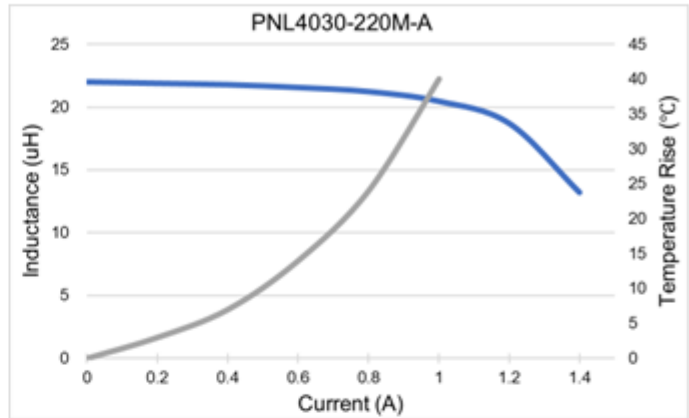
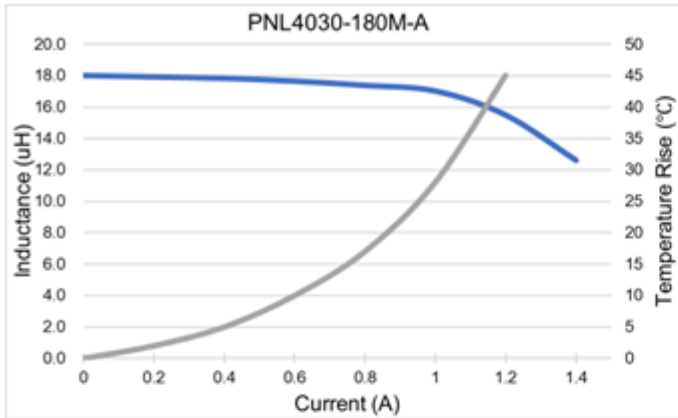




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