



PNL3015-SERIES-A



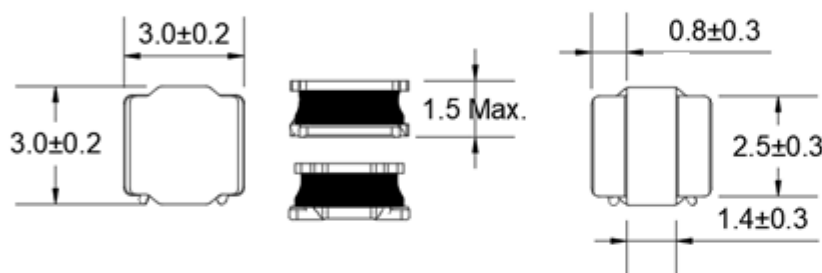
Applications

- 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

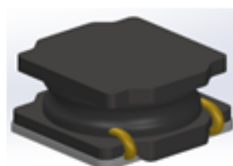
Environmental data

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

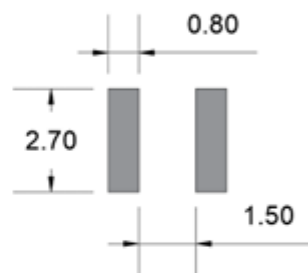
Dimensions [Unit : mm]



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.
PNL3015-R24N-A	0.24±30%	14	18	4.8	3.5
PNL3015-R30N-A	0.30±30%	15	20	4.6	3.5
PNL3015-R47N-A	0.47±30%	20	26	4	3.5
PNL3015-1R0N-A	1.0±30%	30	39	2.32	2.1
PNL3015-1R5N-A	1.5±30%	50	65	2	1.7
PNL3015-1R8N-A	1.8±30%	55	72	1.75	1.65
PNL3015-2R2M-A	2.2±20%	60	78	1.6	1.6
PNL3015-3R3M-A	3.3±20%	80	104	1.32	1.36
PNL3015-3R9M-A	3.9±20%	108	140	1.2	1.1
PNL3015-4R7M-A	4.7±20%	125	163	1.1	1.09
PNL3015-5R6M-A	5.6±20%	170	221	1.05	1
PNL3015-6R8M-A	6.8±20%	200	260	0.85	0.85
PNL3015-8R2M-A	8.2±20%	230	299	0.8	0.77
PNL3015-100M-A	10.0±20%	250	325	0.72	0.75
PNL3015-120M-A	12.0±20%	288	374	0.7	0.68
PNL3015-150M-A	15.0±20%	350	455	0.66	0.65
PNL3015-180M-A	18.0±20%	430	559	0.56	0.59
PNL3015-220M-A	22.0±20%	460	598	0.52	0.57
PNL3015-270M-A	27.0±20%	630	819	0.48	0.46
PNL3015-330M-A	33.0±20%	780	1,014	0.44	0.42
PNL3015-470M-A	47.0±20%	1,200	1,560	0.35	0.32

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)

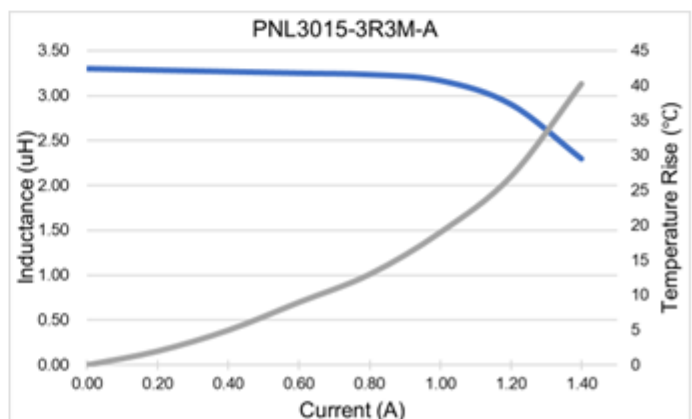
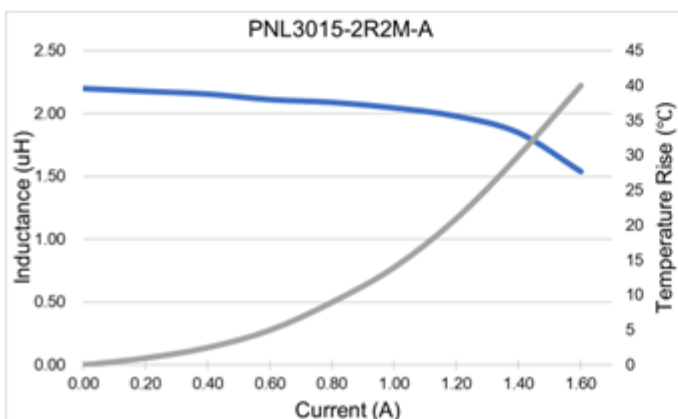
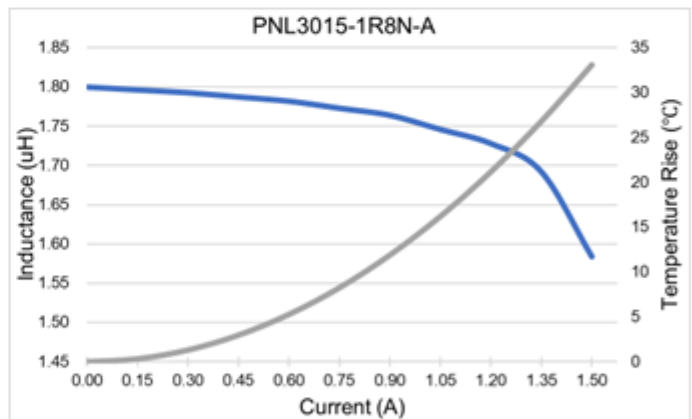
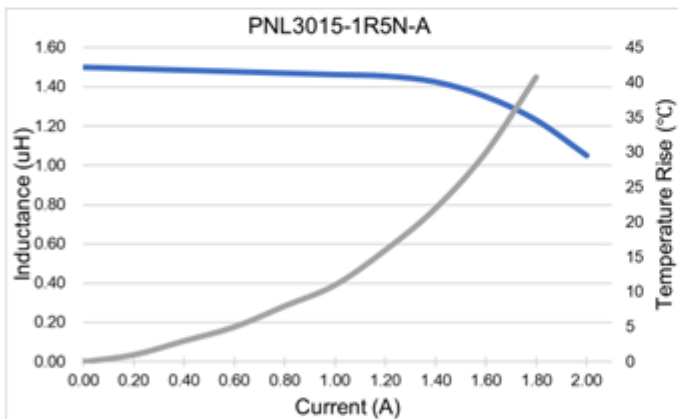
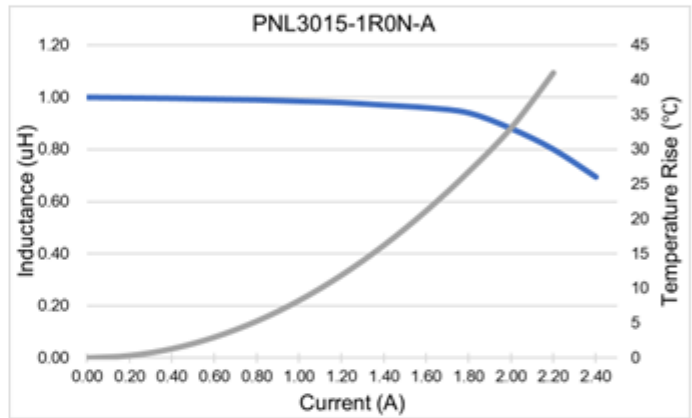
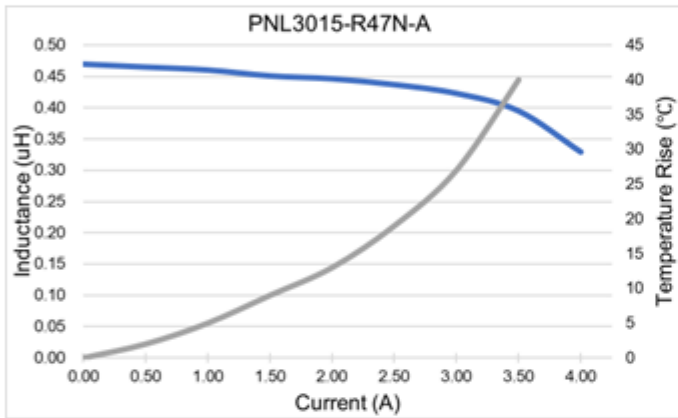
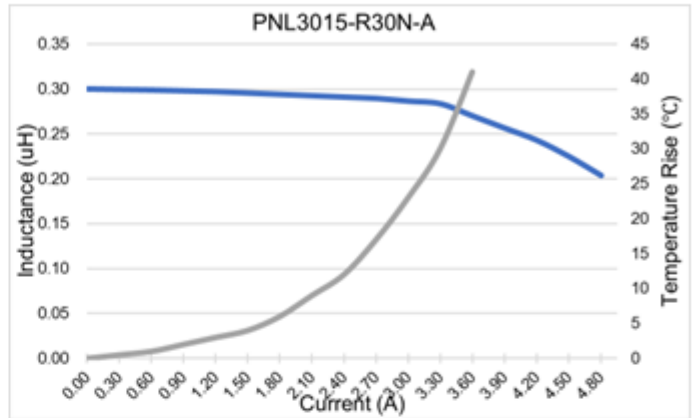
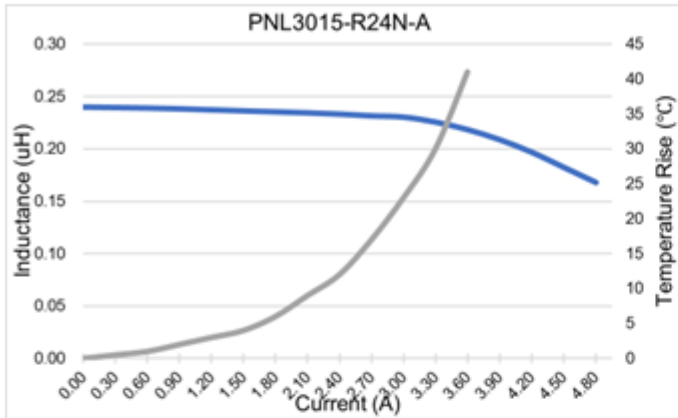
- * Reel : 2,000
- * Box : 100,000



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Performance Graph

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

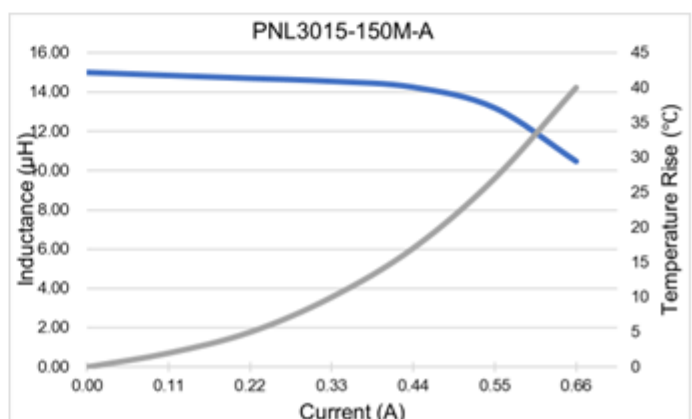
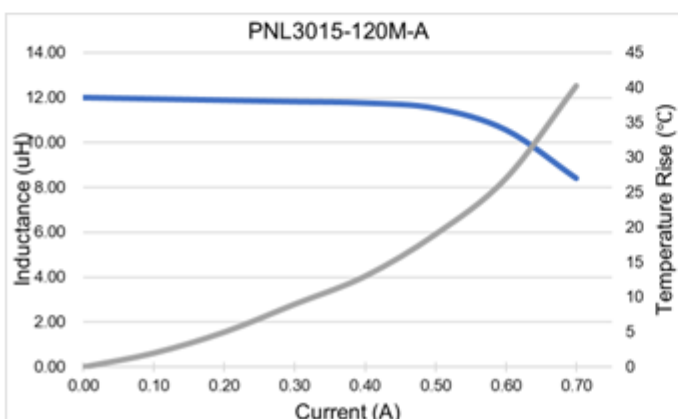
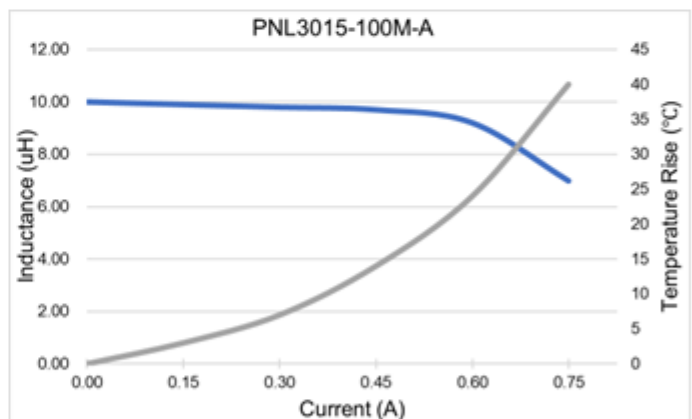
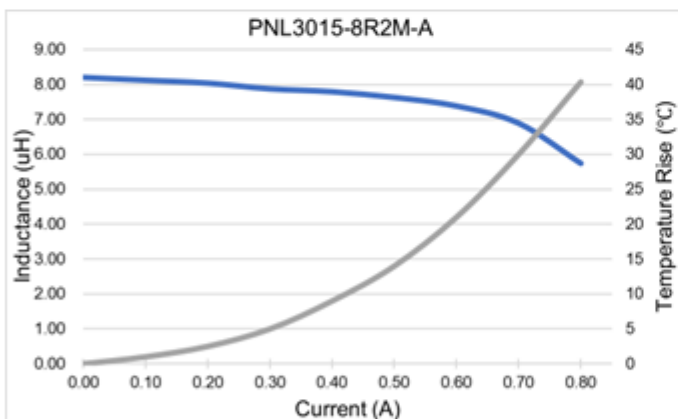
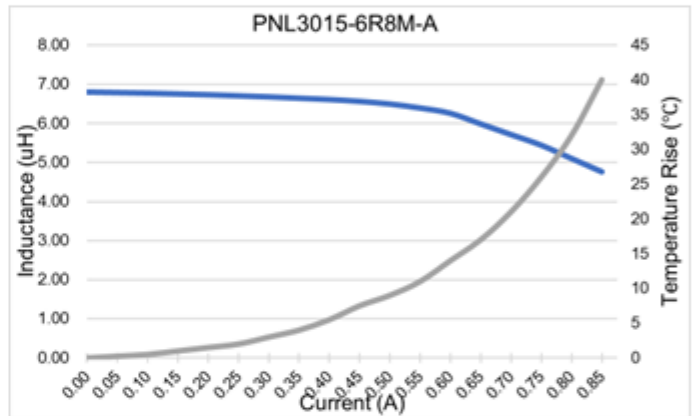
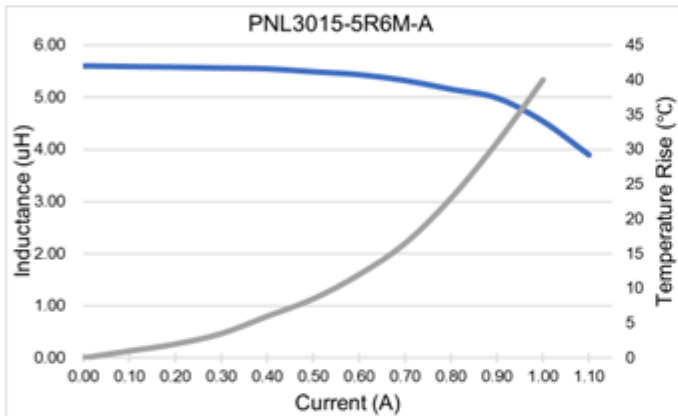
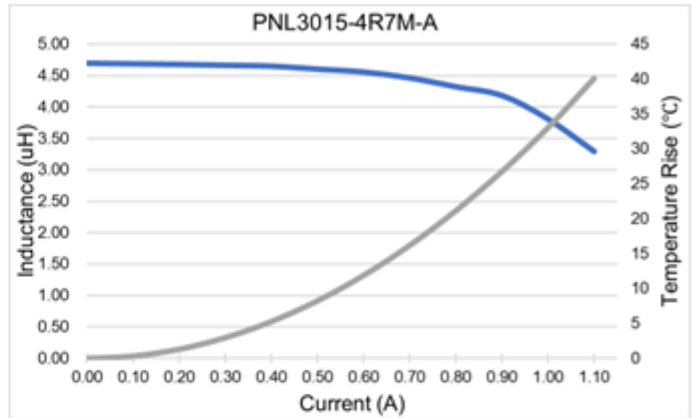
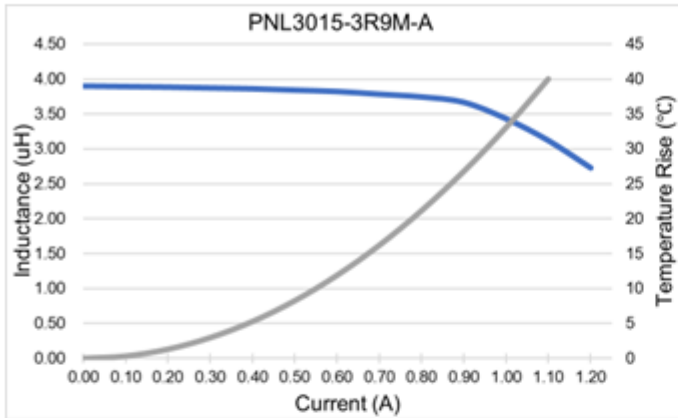




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— Temperature Rise (°C)





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