



PNL3015M-SERIES-A

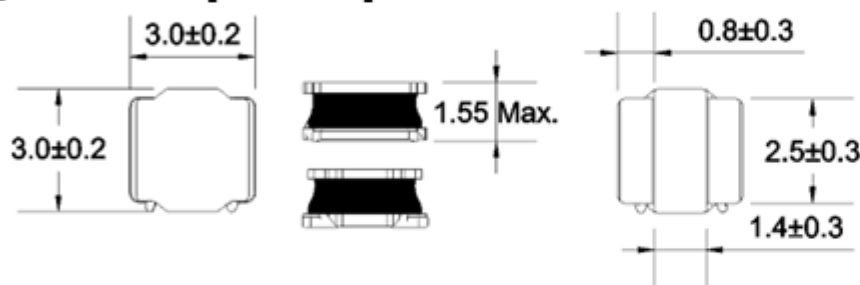
Applications

- 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

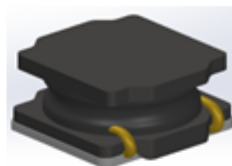
Environmental data

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

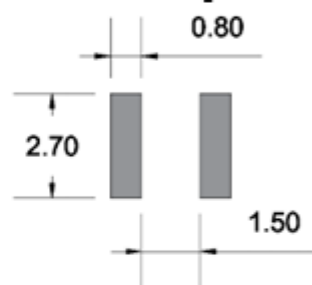
Dimensions [Unit : mm]



Picture



Land Pattern [Unit : mm]



Specifications

Part No.	L0 Inductance(μH) 1MHz, 1V, 0A	DCR (mΩ)		Saturation Current DC(A) a)	Heating Rating Current DC(A) b)
		TYP.	MAX.	MAX.	MAX.
PNL3015M-R22M-A	0.22±20%	15.4	19	8.8	5
PNL3015M-R24M-A	0.24±20%	15.4	19	8.6	5
PNL3015M-R33M-A	0.33±20%	16	21	8	4.9
PNL3015M-R47M-A	0.47±20%	20	26	7.6	4.6
PNL3015M-R68M-A	0.68±20%	28	36.5	7	3.8
PNL3015M-1R0M-A	1.0±20%	37	48	5.8	3.3
PNL3015M-1R5M-A	1.5±20%	55	72	4.6	2.2
PNL3015M-2R2M-A	2.2±20%	74	95	3.7	2.2
PNL3015M-3R3M-A	3.3±20%	110	150	3.4	2
PNL3015M-3R9M-A	3.9±20%	138	170	2.8	1.8
PNL3015M-4R7M-A	4.7±20%	150	185	2.5	1.7
PNL3015M-5R6M-A	5.6±20%	190	250	2.2	1.5
PNL3015M-6R8M-A	6.8±20%	245	320	2	1.2
PNL3015M-100M-A	10.0±20%	350	450	1.6	1.1
PNL3015M-150M-A	15.0±20%	460	610	1.45	1.1
PNL3015M-220M-A	22.0±20%	700	910	1	0.56
PNL3015M-330M-A	33.0±20%	970	1,260	0.9	0.5
PNL3015M-470M-A	47.0±20%	1,450	1,900	0.8	0.42

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)

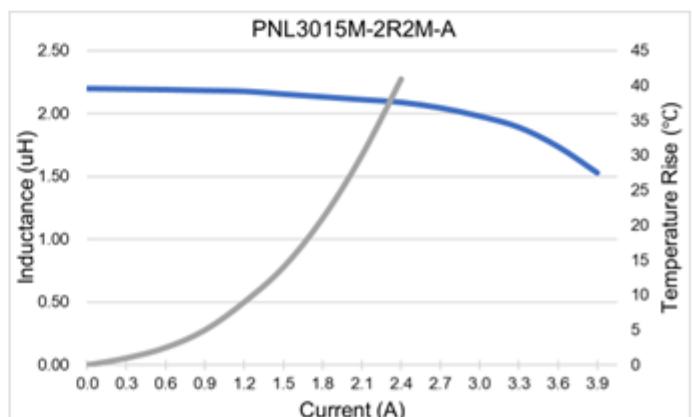
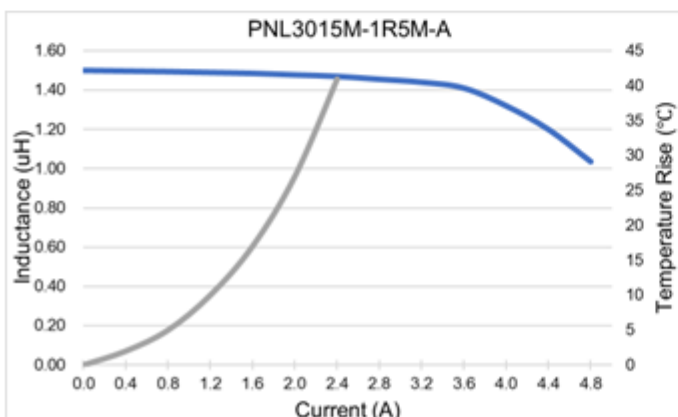
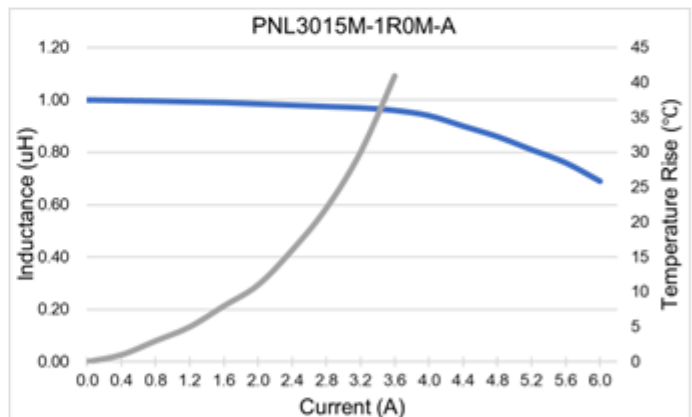
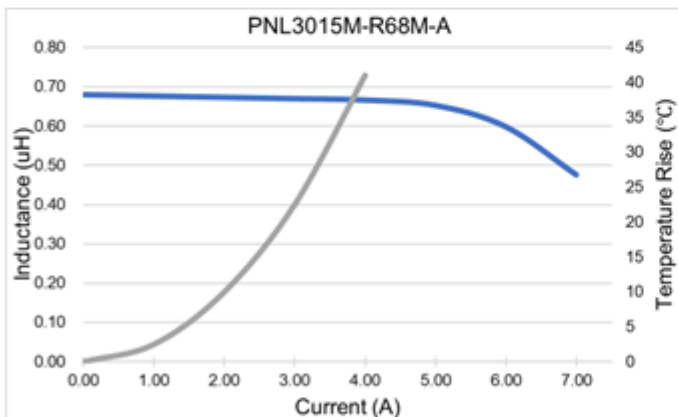
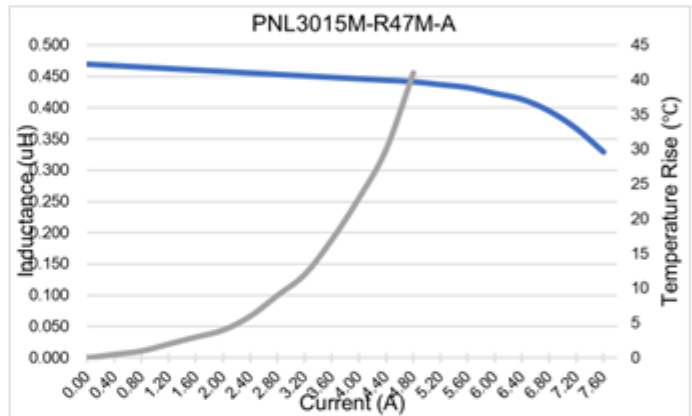
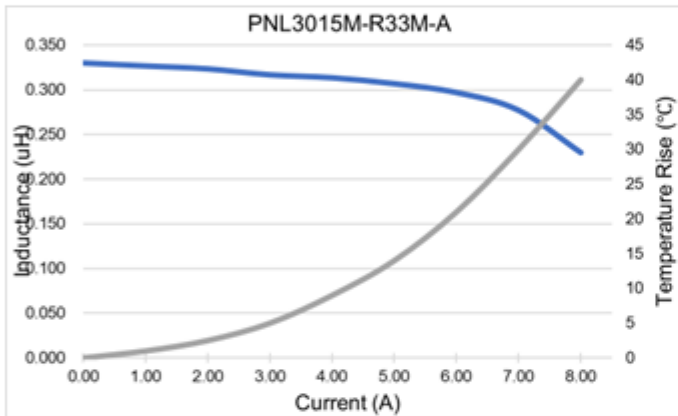
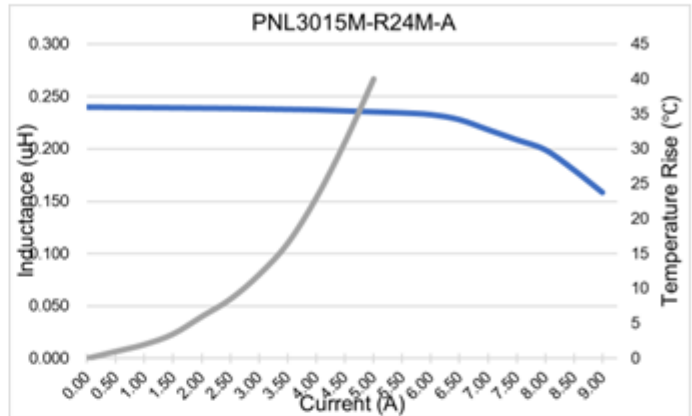
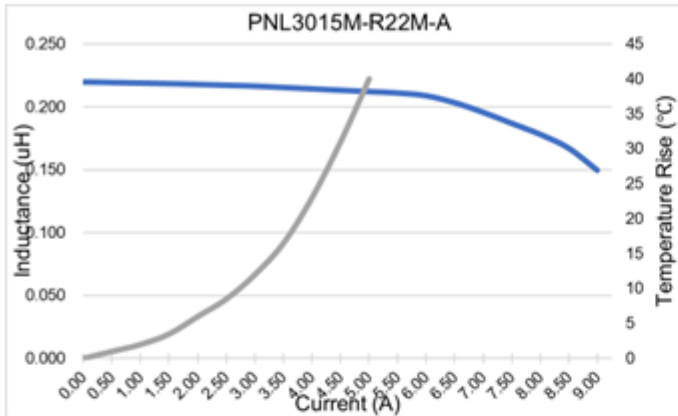
- * Reel : 2,000
- * Box : 100,000



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Performance Graph

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

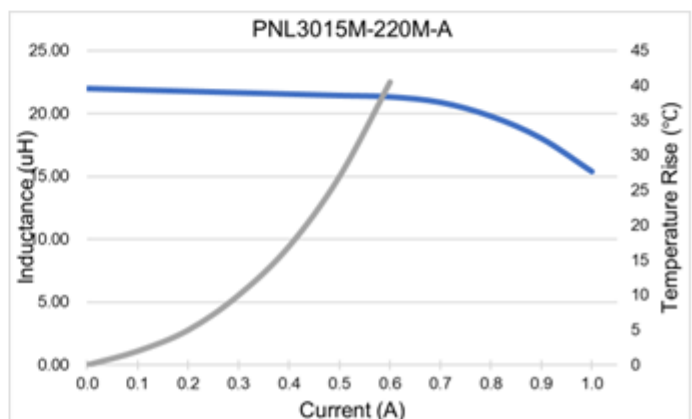
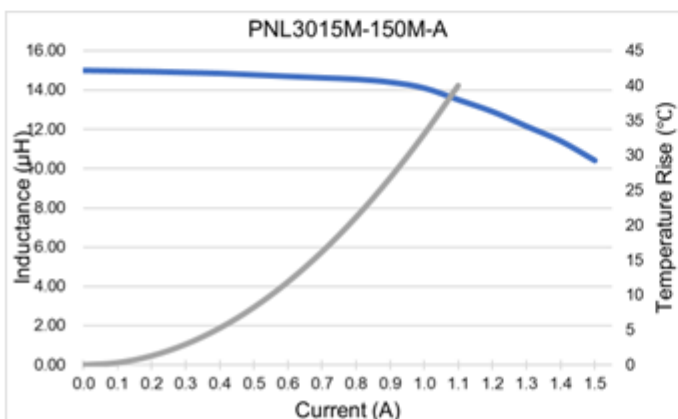
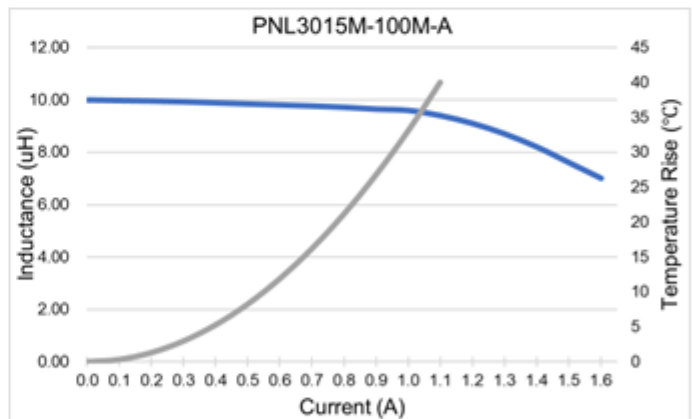
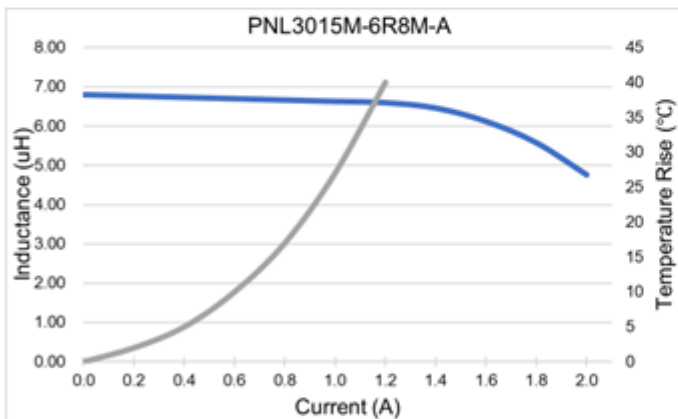
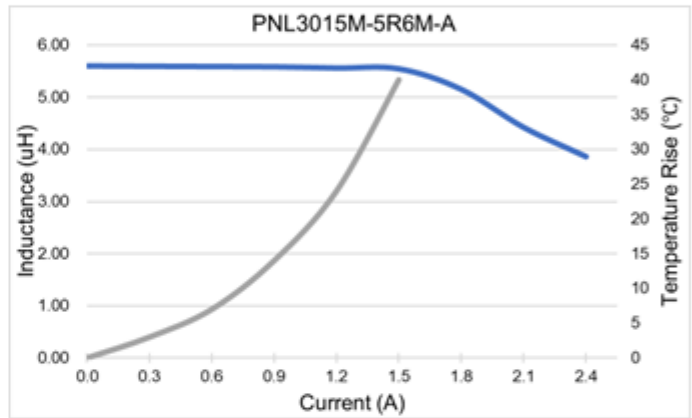
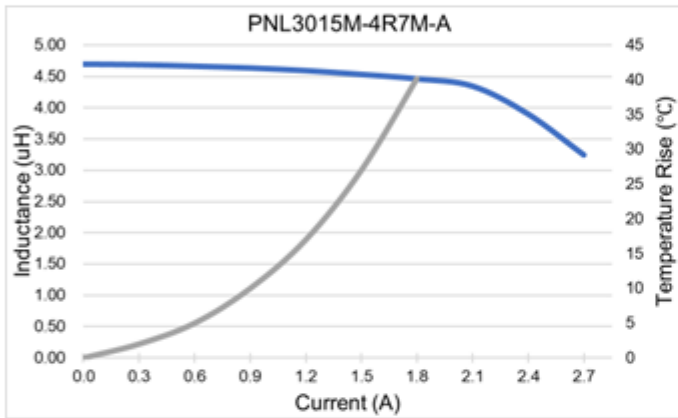
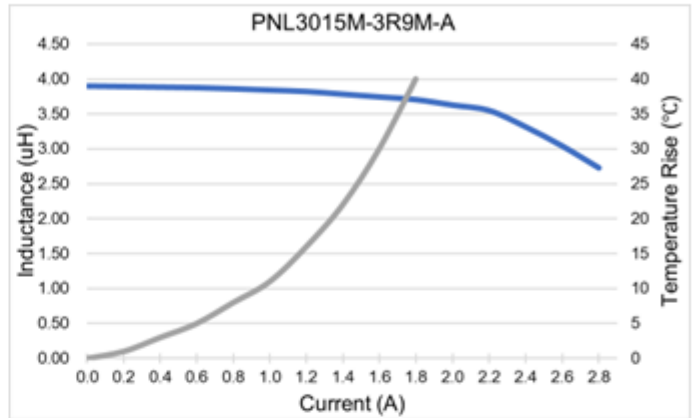
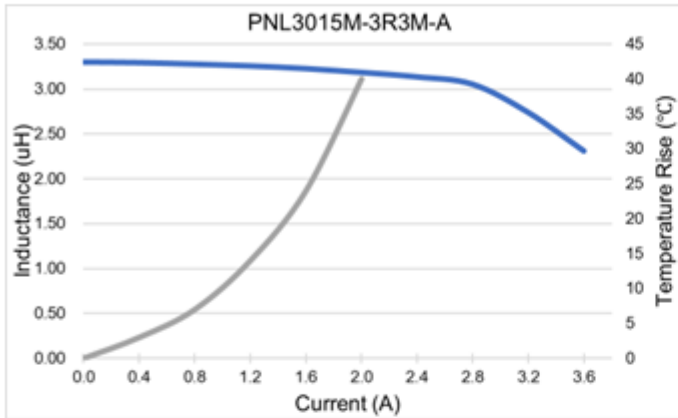




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— Temperature Rise (°C)





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