



PNL4015-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

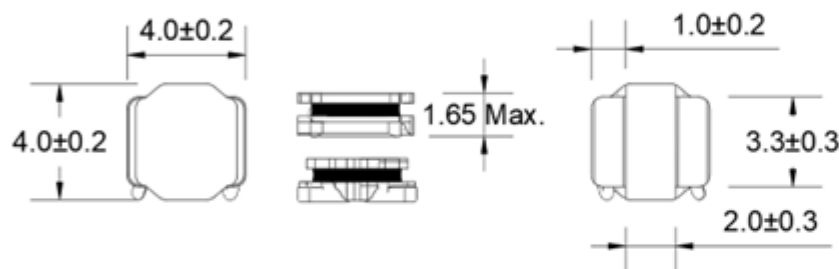
Picture



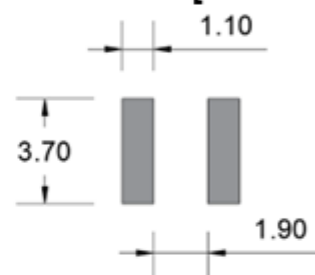
Environmental data

- 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]



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.
PNL4015-R50N-A	0.5±30%	25	33	6.3	4.2
PNL4015-1R0N-A	1.0±30%	35	46	3.3	2.5
PNL4015-1R5N-A	1.5±30%	40	52	2.7	2.2
PNL4015-2R2M-A	2.2±20%	53	69	2.1	2
PNL4015-3R3M-A	3.3±20%	75	98	1.9	1.8
PNL4015-4R7M-A	4.7±20%	100	130	1.45	1.35
PNL4015-6R8M-A	6.8±20%	135	176	1.3	1.2
PNL4015-100M-A	10.0±20%	200	260	1.1	1
PNL4015-150M-A	15.0±20%	300	390	0.9	0.85
PNL4015-220M-A	22.0±20%	400	520	0.72	0.68
PNL4015-330M-A	33.0±20%	660	858	0.63	0.58
PNL4015-470M-A	47.0±20%	975	1,268	0.55	0.45
PNL4015-680M-A	68.0±20%	1,600	2,080	0.5	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)

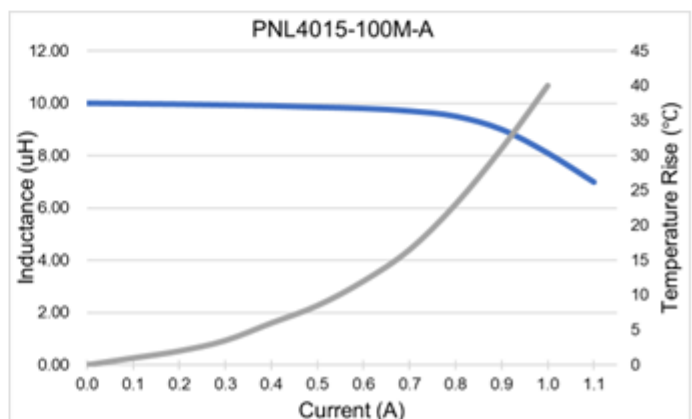
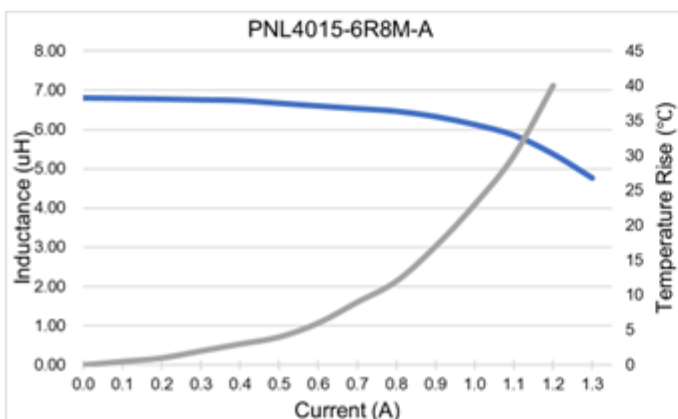
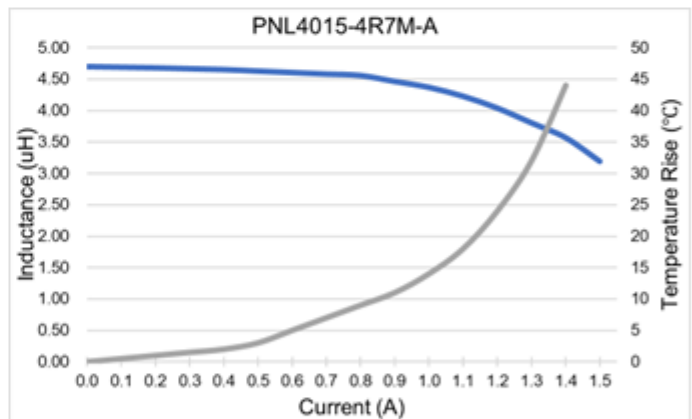
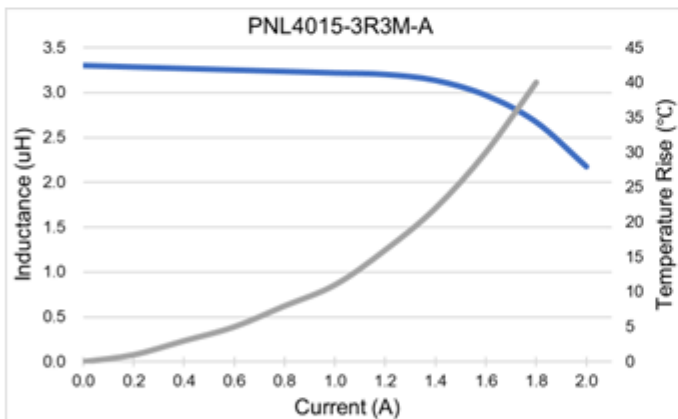
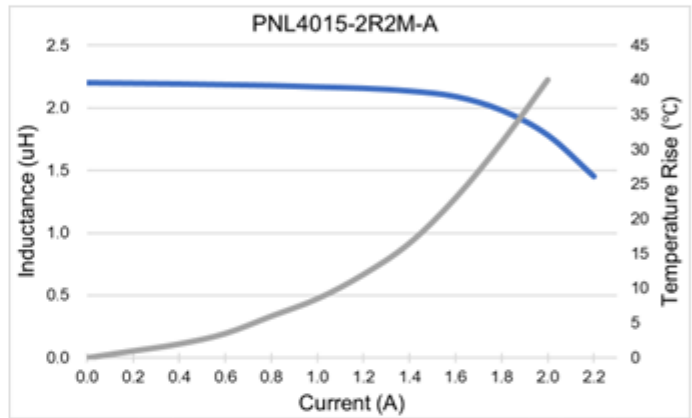
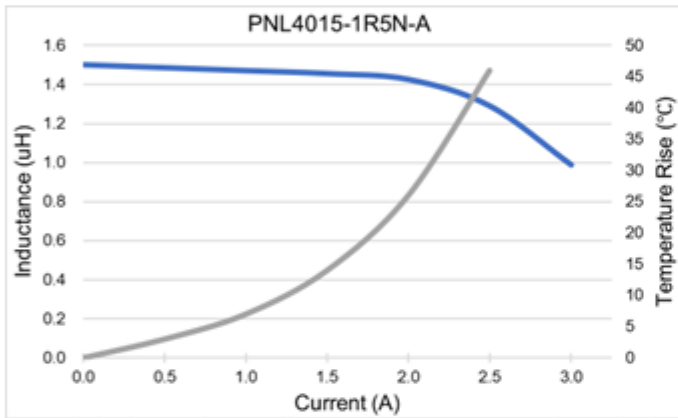
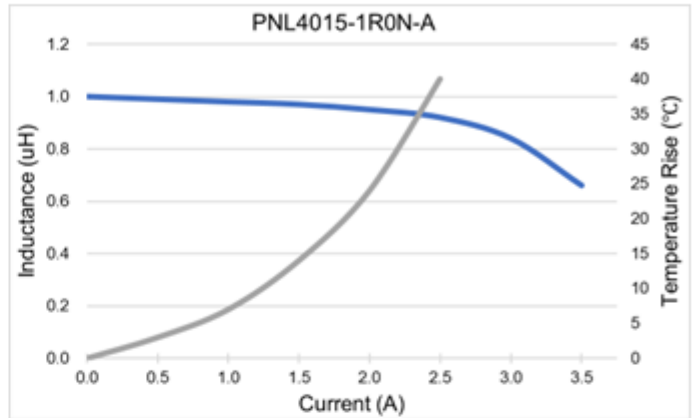
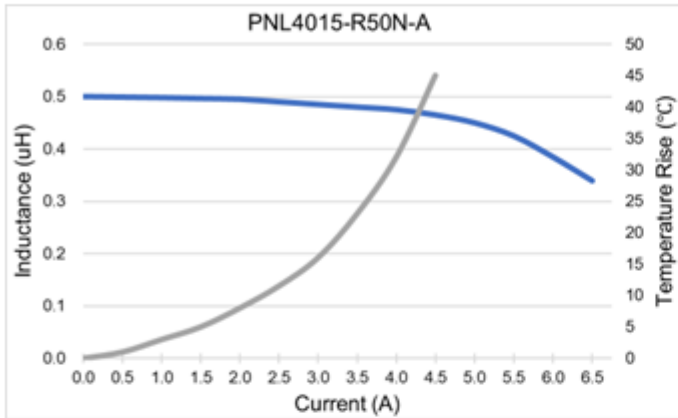
- * Reel : 3,000
- * Box : 18,000



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Performance Graph

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





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

