



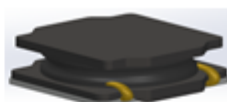
PNL5015-SERIES-A



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

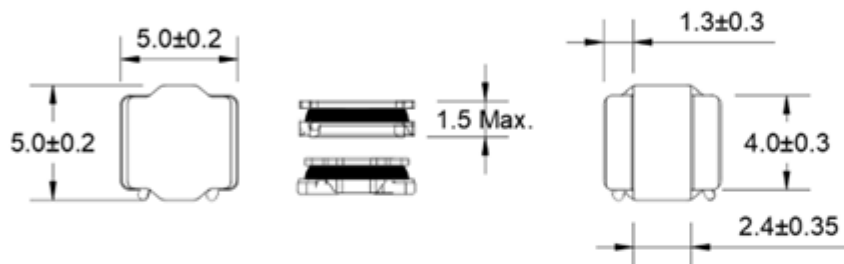
Picture



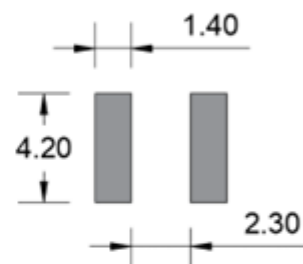
Environmental data

- 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(uH) 100kHz, 1V, 0A	DCR (mΩ)		Saturation Current DC(A) a)	Heating Rating Current DC(A) b)
		TYP.	MAX.	MAX.	MAX.
PNL5015-1R0N-A	1.0±30%	35	46	4.5	2.8
PNL5015-1R5N-A	1.5±30%	50	65	3.5	2.5
PNL5015-2R2N-A	2.2±30%	65	85	3	2.2
PNL5015-3R3N-A	3.3±30%	80	104	2.5	1.9
PNL5015-4R7N-A	4.7±30%	100	130	2.1	1.6
PNL5015-6R8M-A	6.8±20%	150	195	1.65	1.4
PNL5015-100M-A	10.0±20%	200	260	1.45	1.2
PNL5015-150M-A	15.0±20%	320	416	1.2	0.85
PNL5015-220M-A	22.0±20%	450	585	1	0.75
PNL5015-330M-A	33.0±20%	780	1,014	0.95	0.58
PNL5015-470M-A	47.0±20%	1,200	1,560	0.88	0.4
PNL5015-680M-A	68.0±20%	1,900	2,470	0.72	0.35

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)

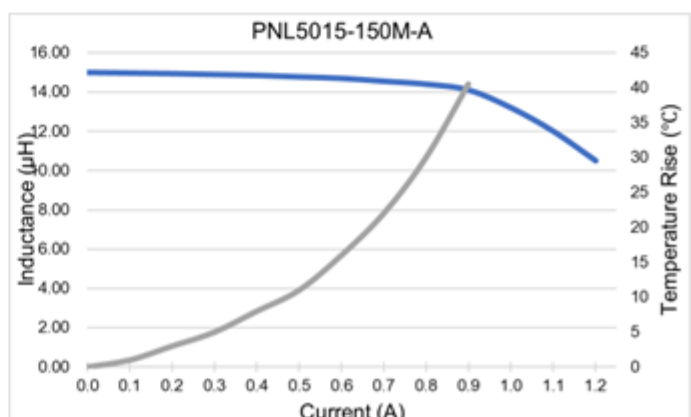
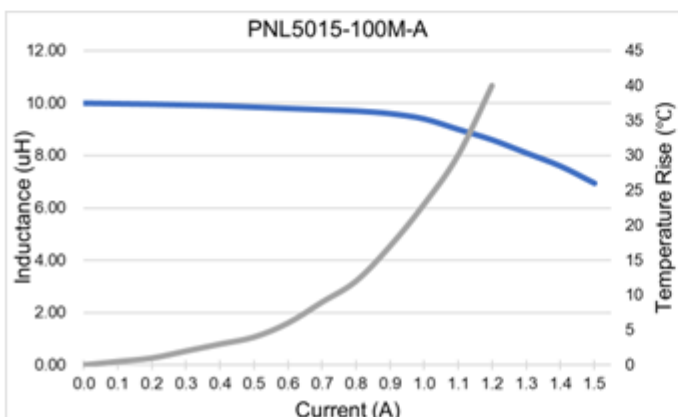
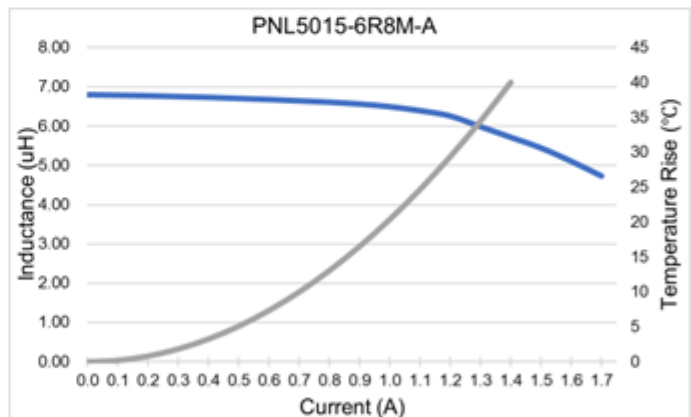
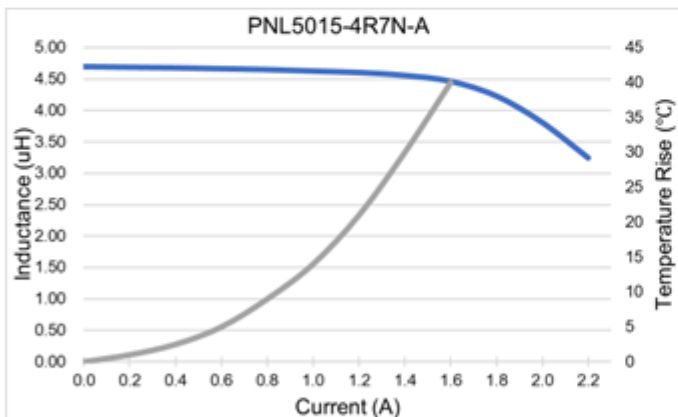
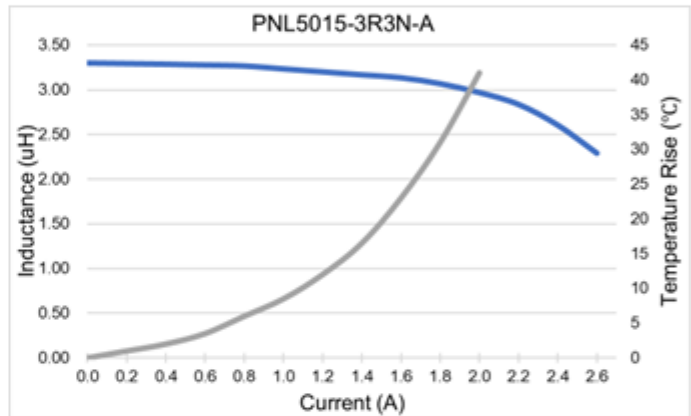
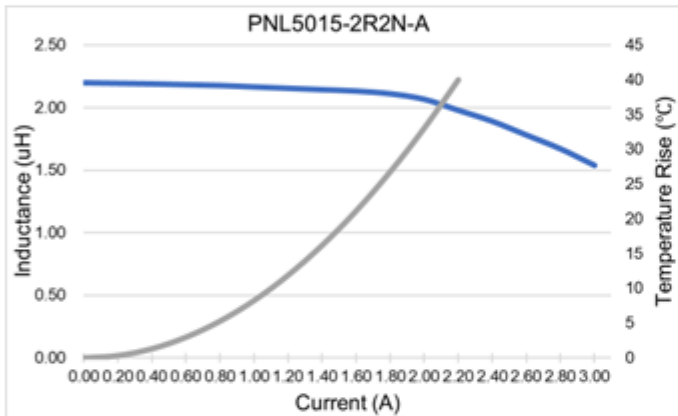
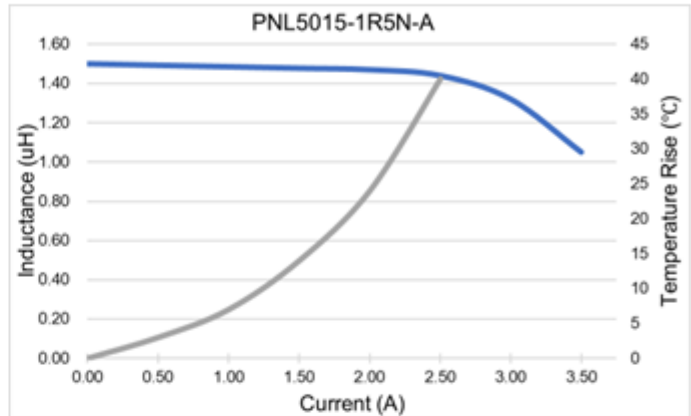
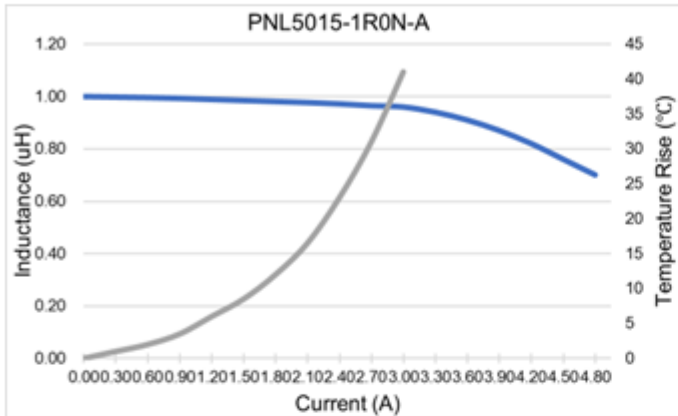
- * Reel : 3,000
- * Box : 18,000



PNL5015-SERIES-A

Performance Graph

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





PNL5015-SERIES-A

Performance Graph

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

