



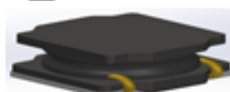
PNL4018-SERIES-A



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

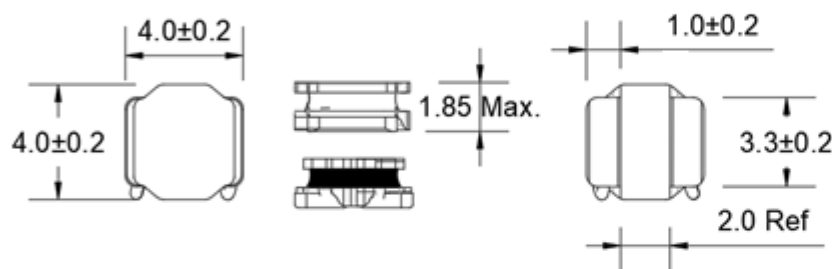
Picture



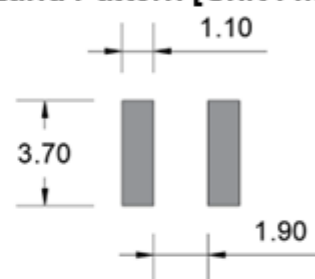
Environmental data

- 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.
PNL4018-R47N-A	0.47±30%	18	23	6.5	4.1
PNL4018-1R0N-A	1.0±30%	27	35	4	3.2
PNL4018-1R5N-A	1.5±30%	37	48	3.3	2.4
PNL4018-2R2M-A	2.2±20%	42	55	3	2.2
PNL4018-3R3M-A	3.3±20%	55	72	2.3	2
PNL4018-4R7M-A	4.7±20%	70	91	2	1.7
PNL4018-6R8M-A	6.8±20%	98	127	1.6	1.45
PNL4018-100M-A	10.0±20%	150	195	1.3	1.2
PNL4018-150M-A	15.0±20%	210	273	1.1	0.85
PNL4018-220M-A	22.0±20%	290	377	0.9	0.72
PNL4018-330M-A	33.0±20%	480	624	0.7	0.55
PNL4018-470M-A	47.0±20%	755	982	0.65	0.6
PNL4018-680M-A	68.0±20%	1,000	1,300	0.5	0.5
PNL4018-101M-A	100.0±20%	1,450	1,885	0.42	0.28

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)

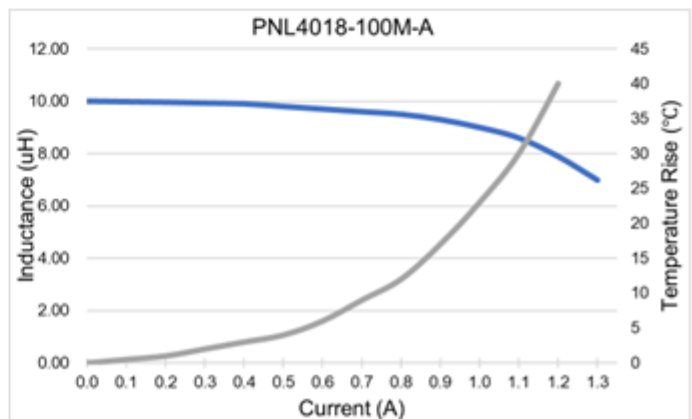
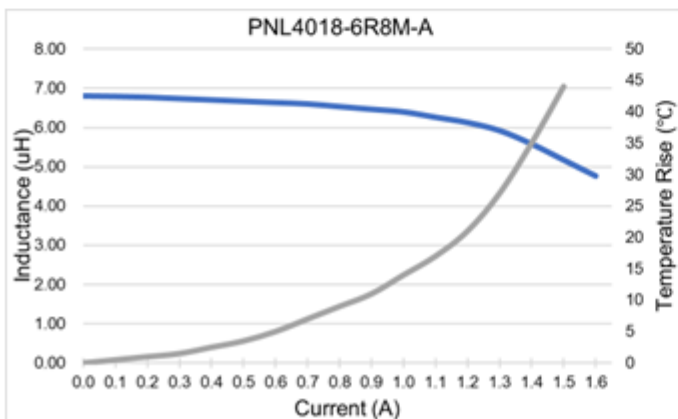
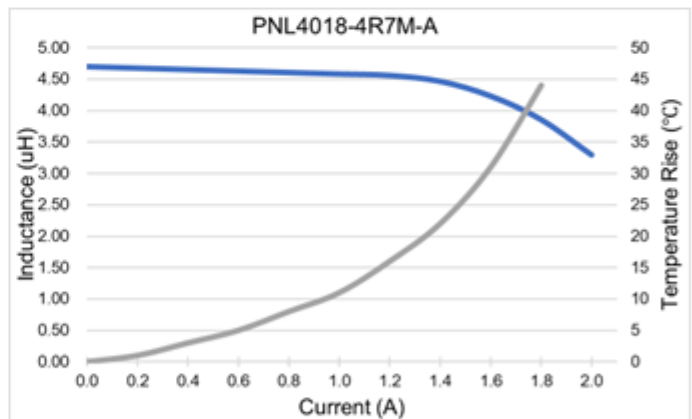
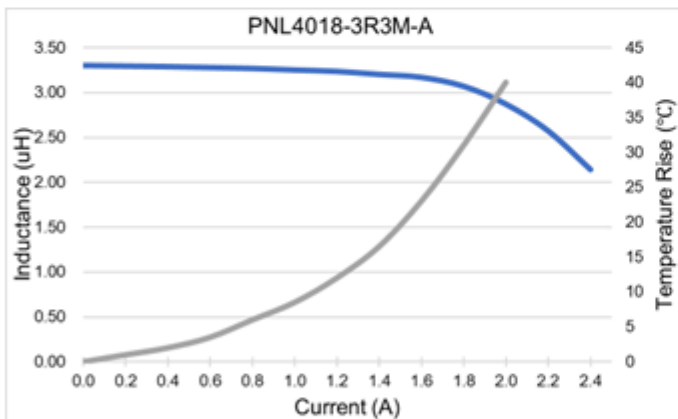
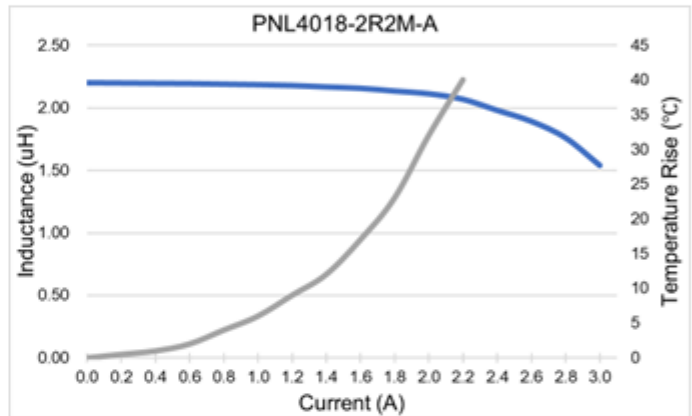
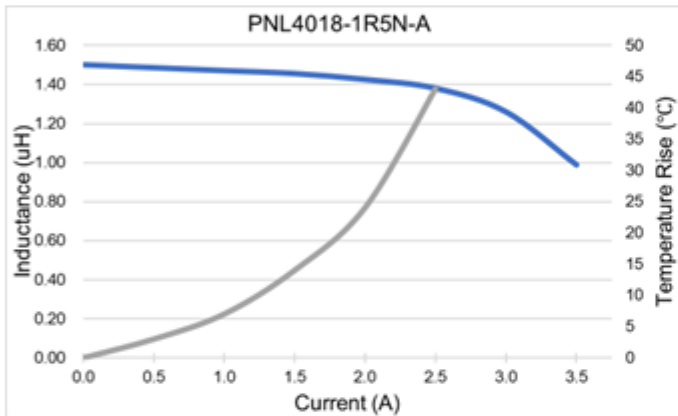
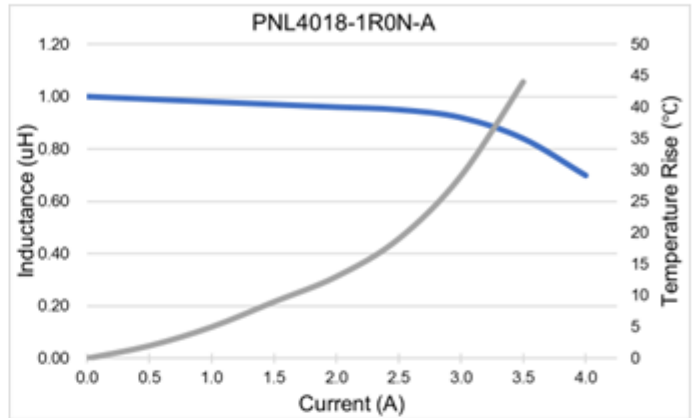
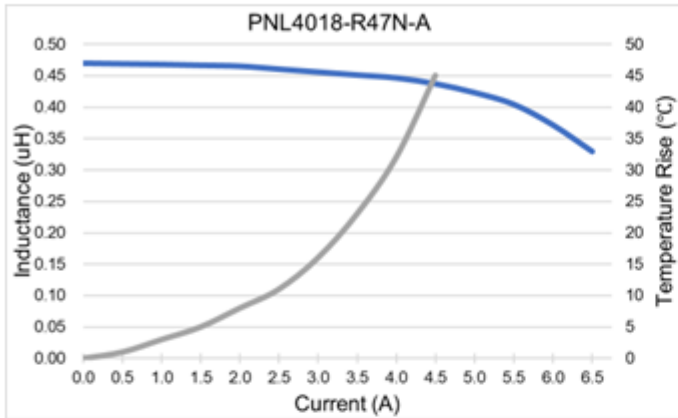
- * Reel : 3,000
- * Box : 18,000



PNL4018-SERIES-A

Performance Graph

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





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Performance Graph

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

