



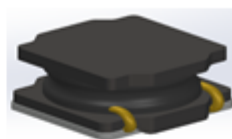
PNL252012-SERIES-A



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

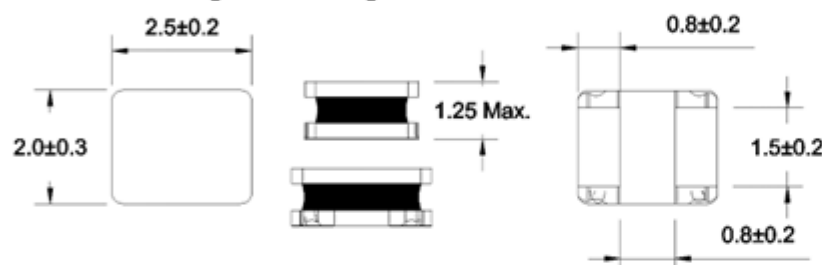
Picture



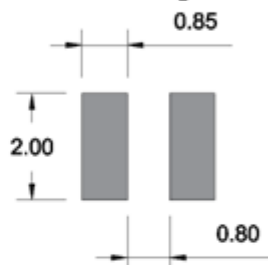
Environmental data

- 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) 1MHz, 1V, 0A	DCR (mΩ)		Saturation Current DC(A) a)	Heating Rating Current DC(A) b)
		TYP.	MAX.	MAX.	MAX.
PNL252012-R24M-A	0.24±20%	19	23	4.1	4.1
PNL252012-R33M-A	0.33±20%	26	31	4	3.35
PNL252012-R47M-A	0.47±20%	31	36	3.8	3
PNL252012-R56M-A	0.56±20%	38	47	3.6	2.3
PNL252012-R68M-A	0.68±20%	38	47	3	2.3
PNL252012-1R0M-A	1.0±20%	50	60	2.25	2.3
PNL252012-1R2M-A	1.2±20%	65	78	2.2	2
PNL252012-1R5M-A	1.5±20%	75	90	2	1.8
PNL252012-1R8M-A	1.8±20%	93	108	1.95	1.75
PNL252012-2R2M-A	2.2±20%	93	108	1.75	1.75
PNL252012-2R7M-A	2.7±20%	130	156	1.3	1.4
PNL252012-3R3M-A	3.3±20%	130	156	1.2	1.4
PNL252012-4R7M-A	4.7±20%	190	228	1.1	1.1
PNL252012-5R6M-A	5.6±20%	255	330	1	1
PNL252012-6R8M-A	6.8±20%	300	360	0.9	0.95
PNL252012-100M-A	10.0±20%	435	522	0.7	0.78
PNL252012-120M-A	12.0±20%	600	750	0.65	0.65
PNL252012-150M-A	15.0±20%	700	1,000	0.6	0.5
PNL252012-220M-A	22.0±20%	1,000	1,290	0.45	0.48

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)

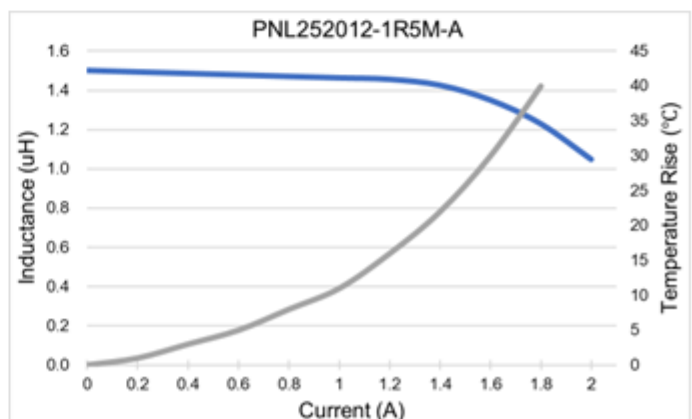
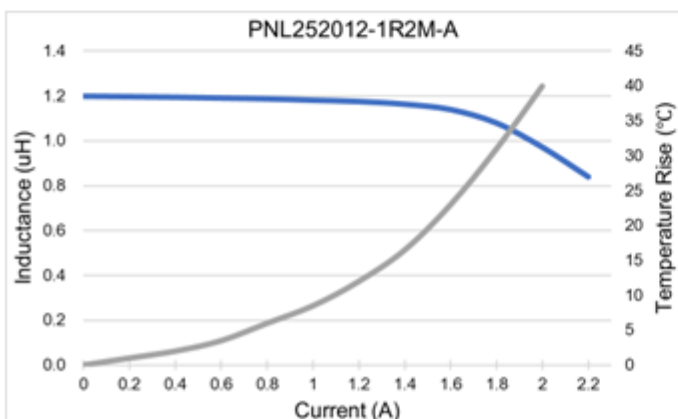
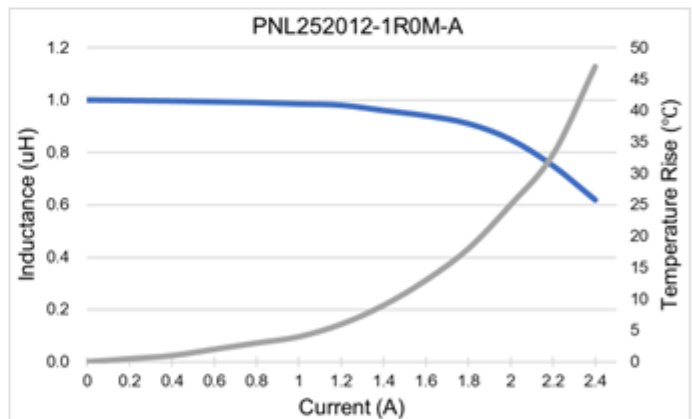
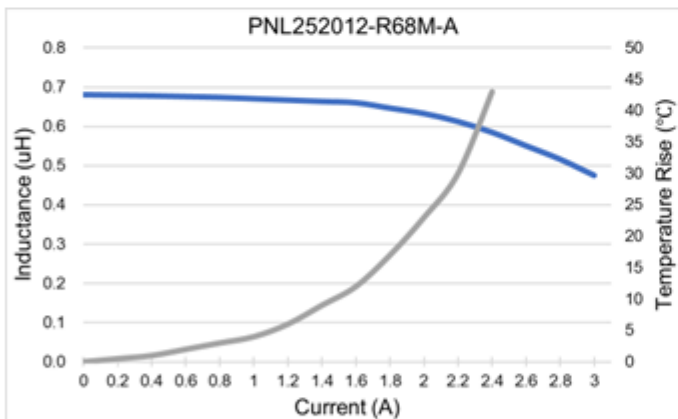
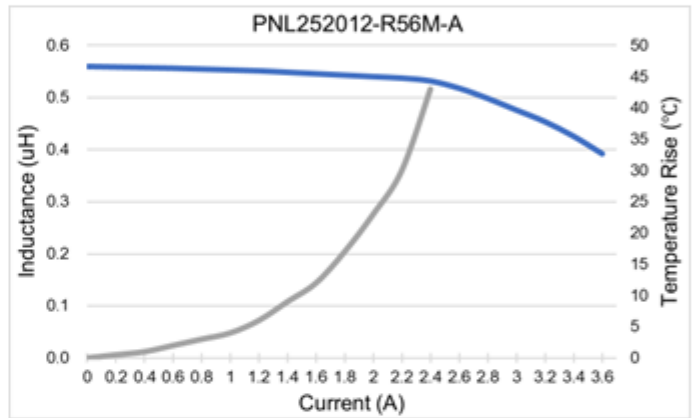
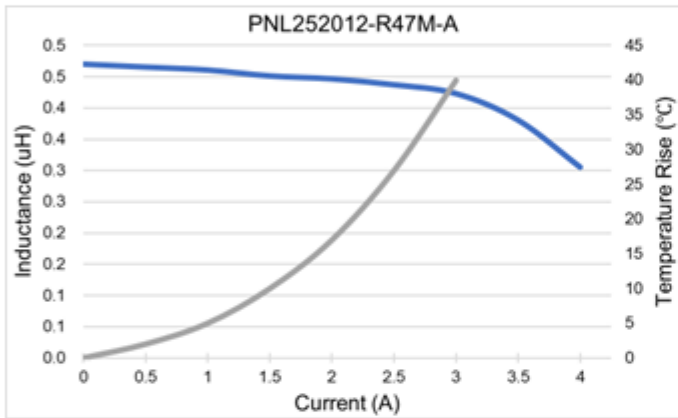
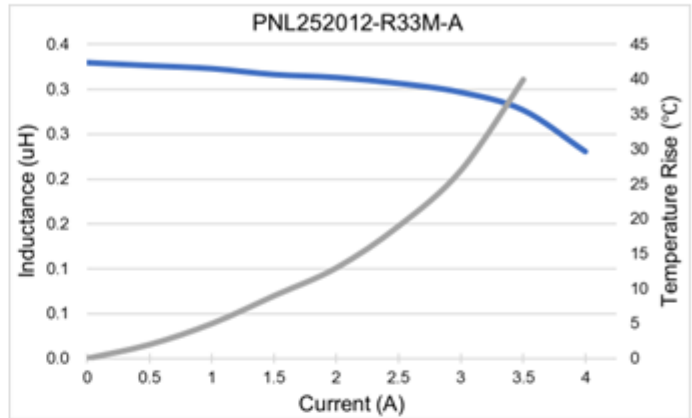
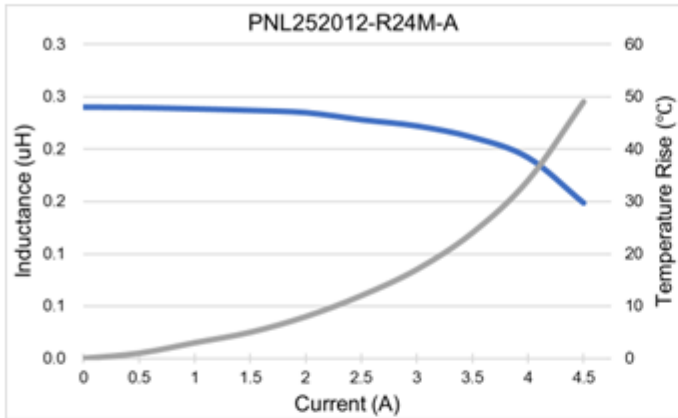
- * Reel : 2,000
- * Box : 100,000



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Performance Graph

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

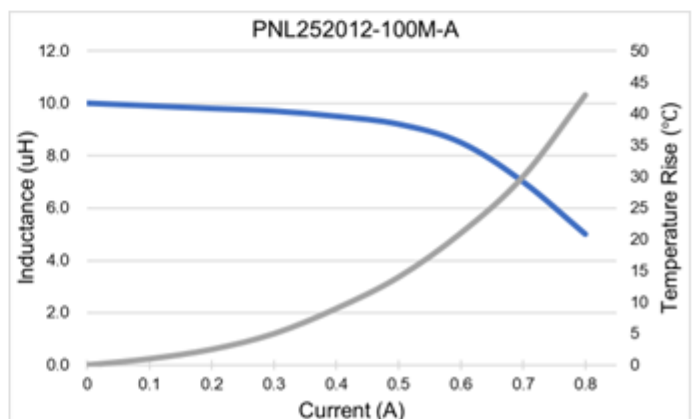
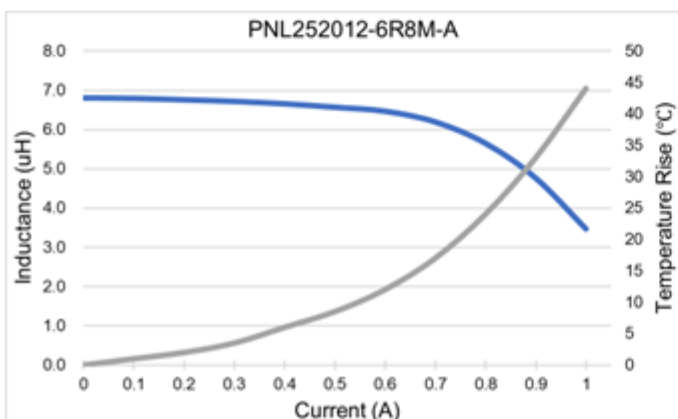
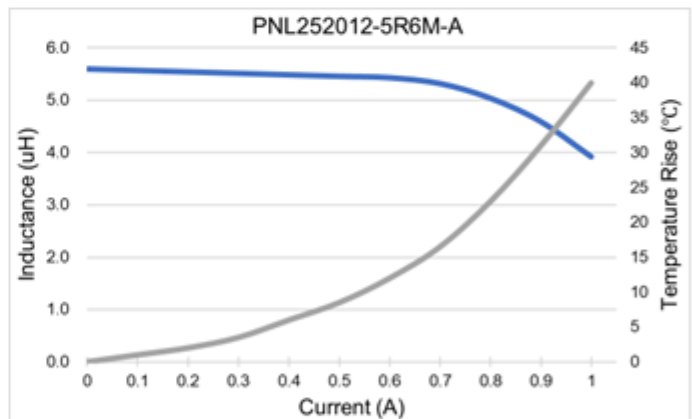
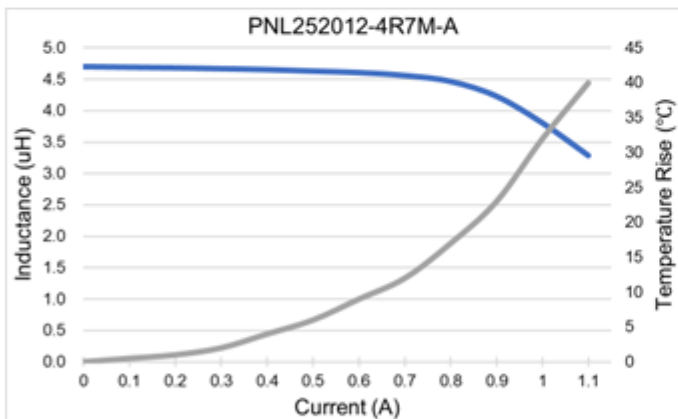
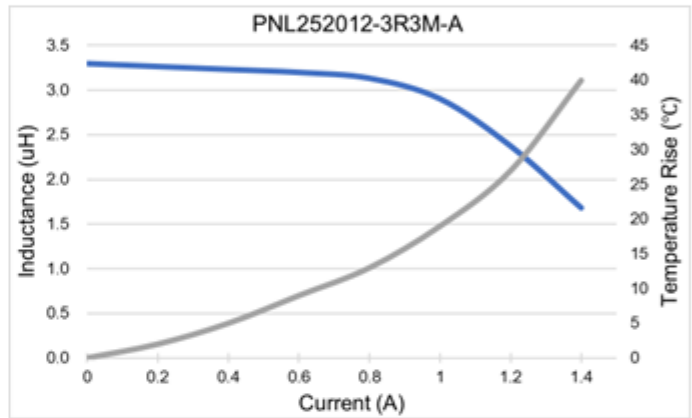
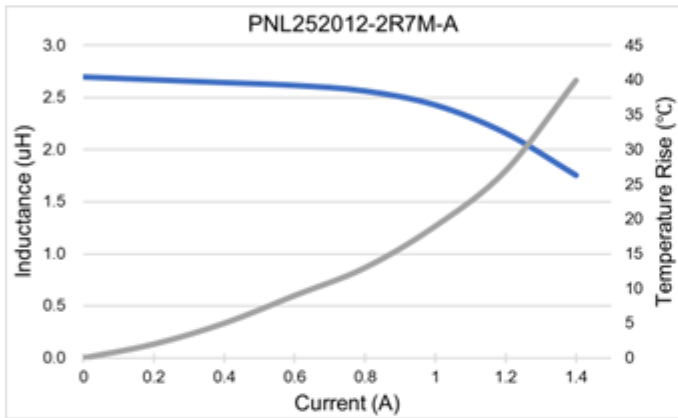
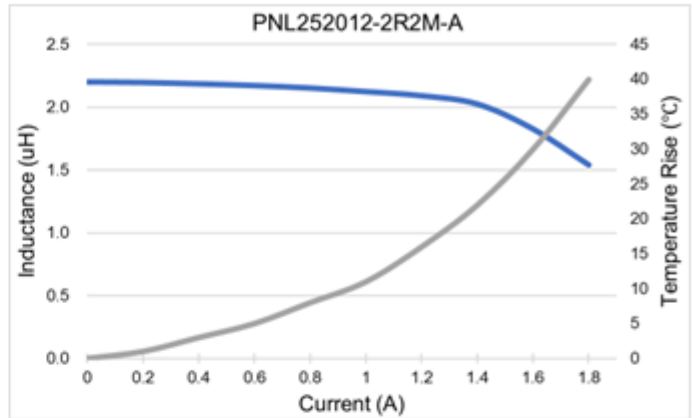
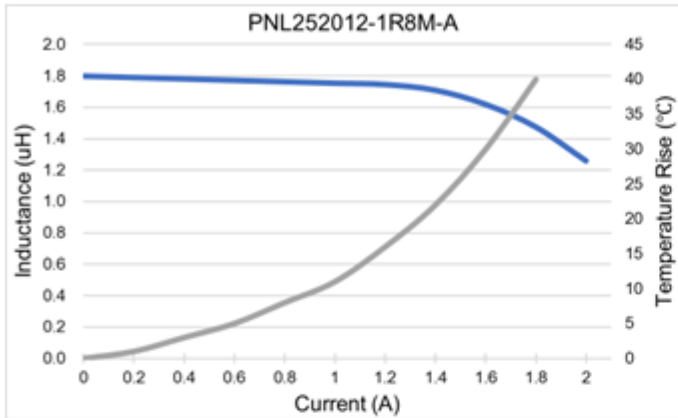




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Performance Graph

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





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