



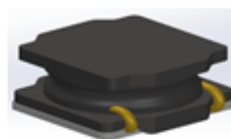
PNL252010-SERIES-A



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

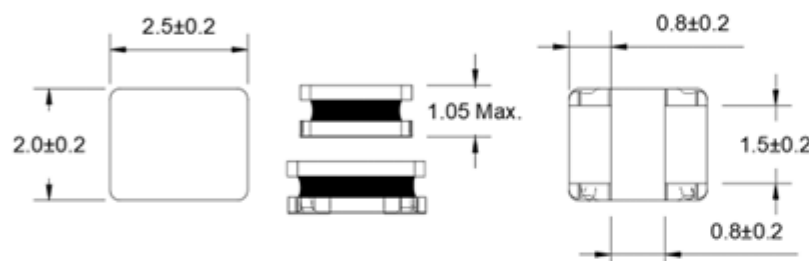
Picture



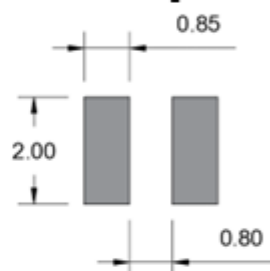
Environmental data

- 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) 1MHz, 1V, 0A	DCR (mΩ)		Saturation Current DC(A) a)	Heating Rating Current DC(A) b)
		TYP.	MAX.	MAX.	MAX.
PNL252010-R22M-A	0.22±20%	26	34	3.6	2.75
PNL252010-R24M-A	0.24±20%	26	34	3.6	2.75
PNL252010-R33M-A	0.33±20%	33	43	3.6	2.45
PNL252010-R47M-A	0.47±20%	33	44	2.8	2.4
PNL252010-R68M-A	0.68±20%	51	62	2.75	2.1
PNL252010-1R0M-A	1.0±20%	66	80	2.05	1.85
PNL252010-1R5M-A	1.5±20%	85	108	1.7	1.55
PNL252010-2R2M-A	2.2±20%	130	150	1.5	1.35
PNL252010-3R3M-A	3.3±20%	170	228	1.1	1.05
PNL252010-4R7M-A	4.7±20%	280	330	1	0.9
PNL252010-5R6M-A	5.6±20%	370	480	0.9	0.8
PNL252010-6R8M-A	6.8±20%	400	480	0.8	0.72
PNL252010-8R2M-A	8.2±20%	463	572	0.73	0.69
PNL252010-100M-A	10.0±20%	500	600	0.65	0.67
PNL252010-120M-A	12.0±20%	700	850	0.58	0.58
PNL252010-150M-A	15.0±20%	820	1,050	0.5	0.45
PNL252010-220M-A	22.0±20%	1,320	1,710	0.4	0.4

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)

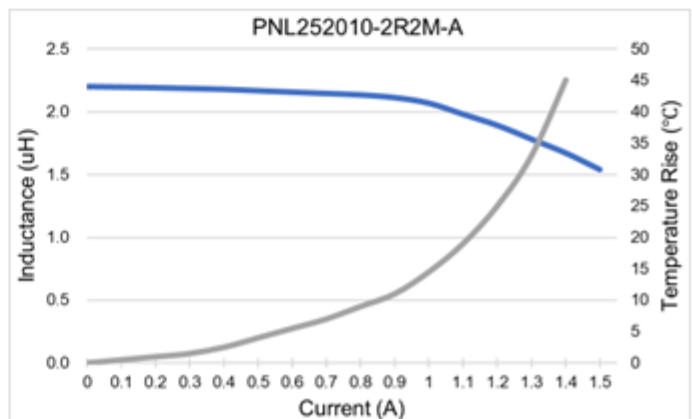
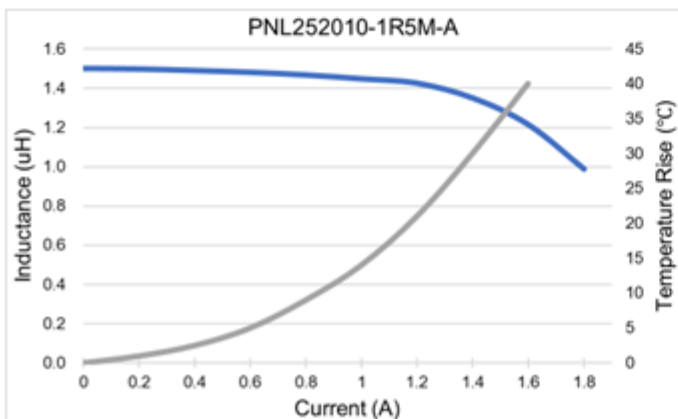
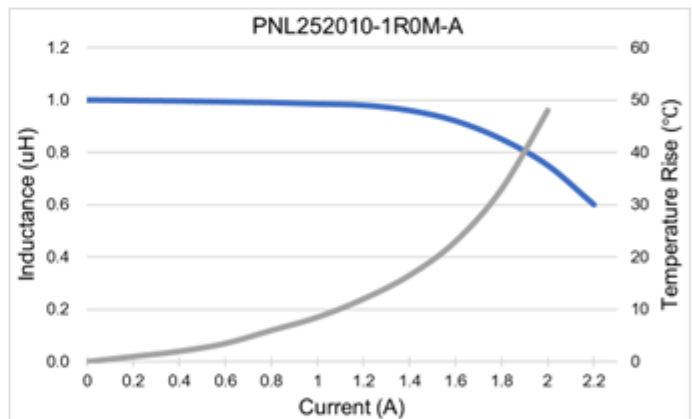
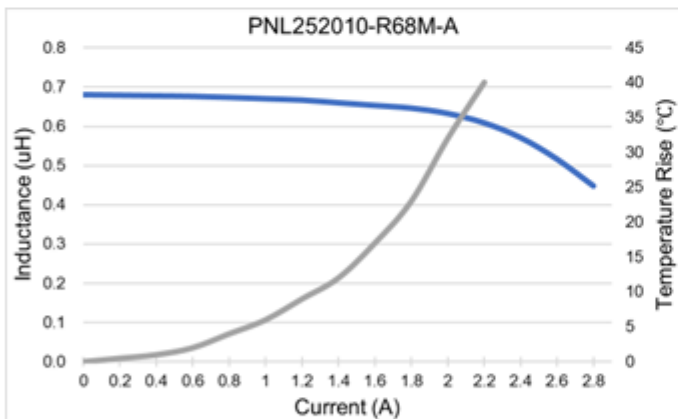
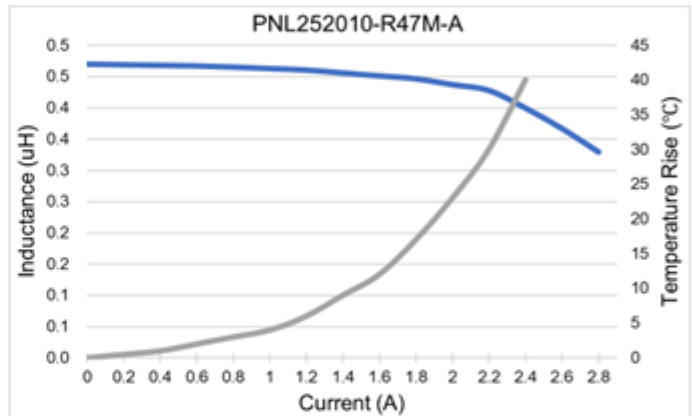
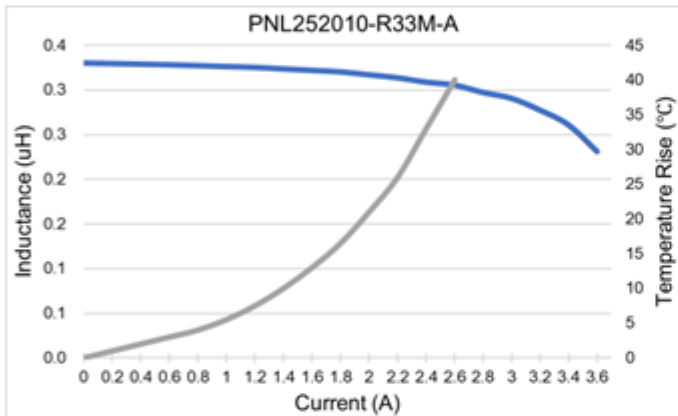
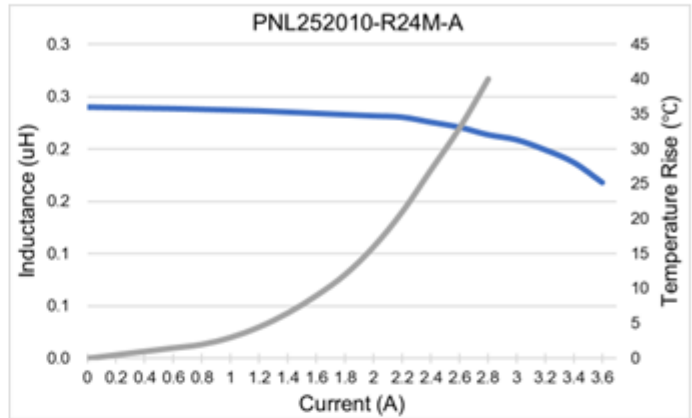
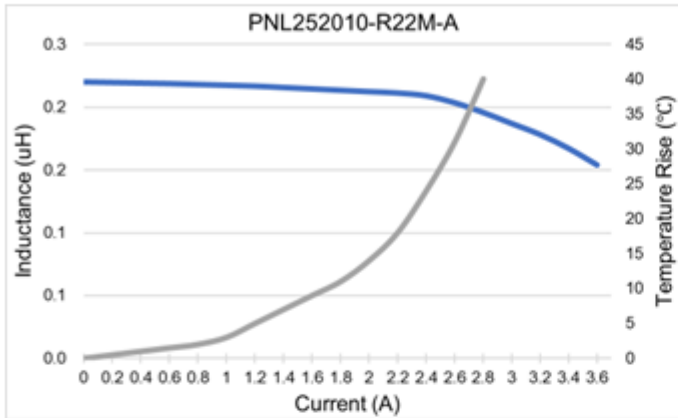
- * Reel : 2,000
- * Box : 100,000



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Performance Graph

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

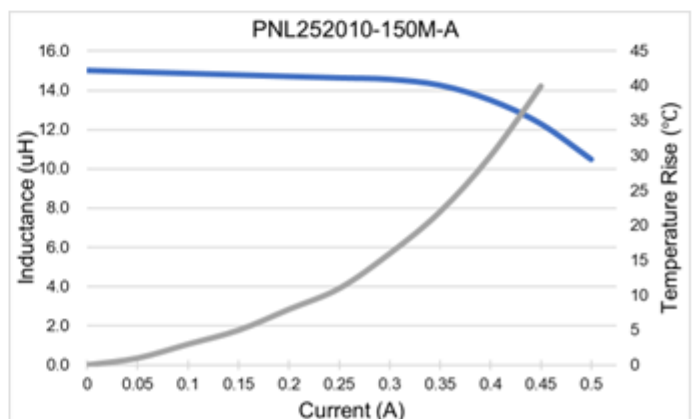
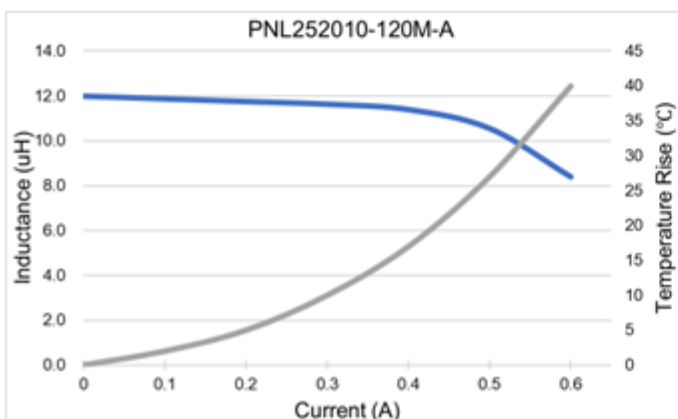
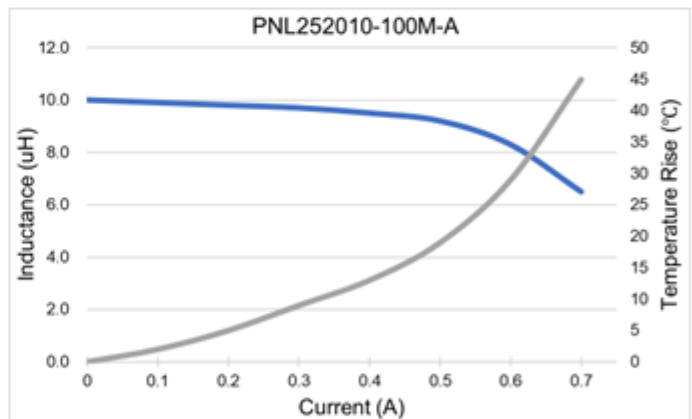
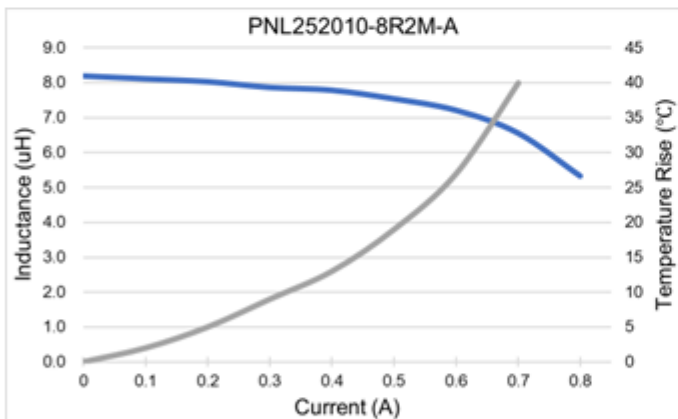
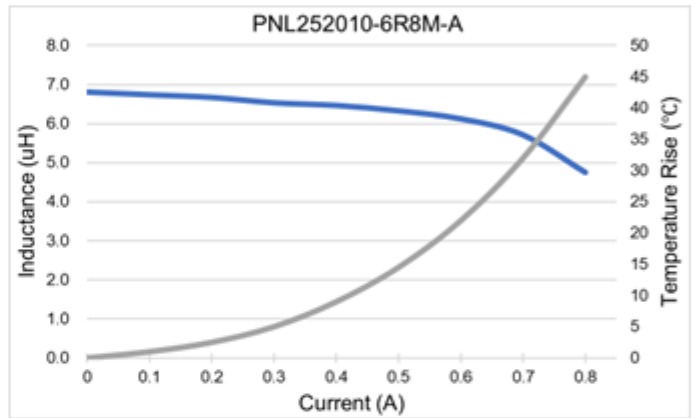
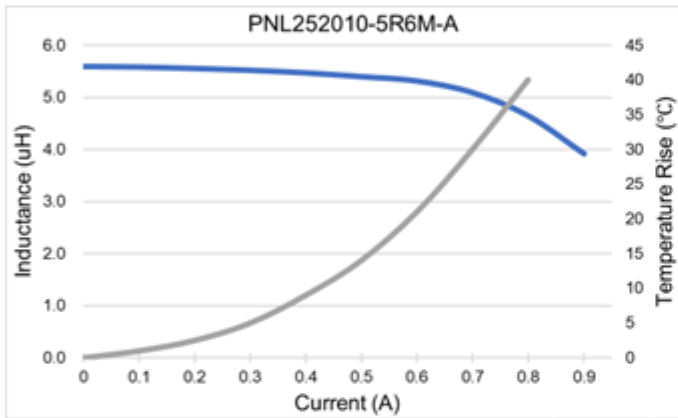
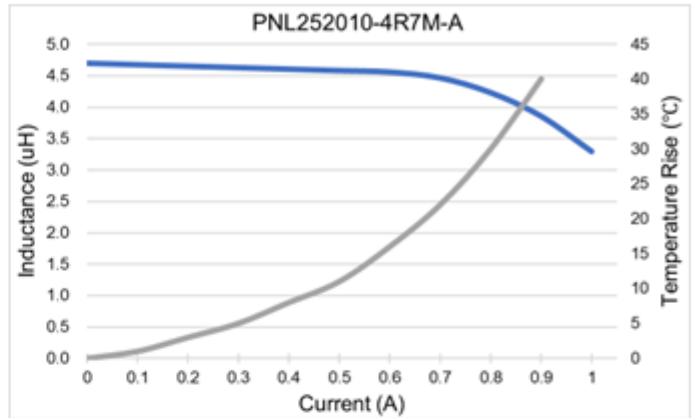
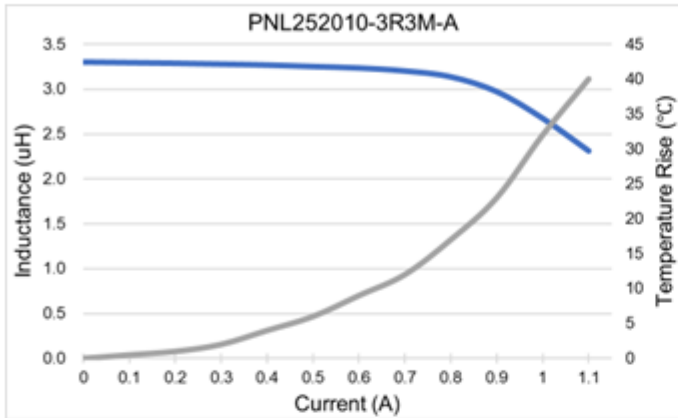




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