



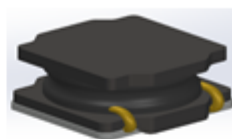
PNL252010M-SERIES-A



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

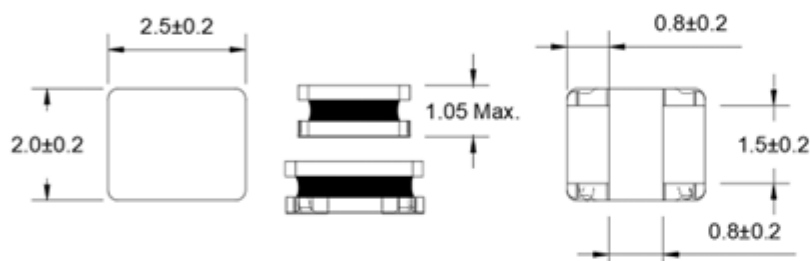
Picture



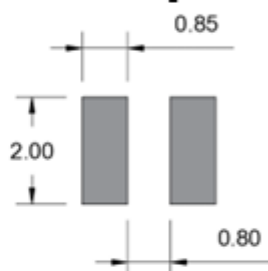
Environmental data

- 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.
PNL252010M-R24M-A	0.24±20%	25	33	6.1	3.7
PNL252010M-R33M-A	0.33±20%	33	39	4.8	3.5
PNL252010M-R47M-A	0.47±20%	40	45	4.4	3.2
PNL252010M-R68M-A	0.68±20%	49	59	3.2	2.75
PNL252010M-1R0M-A	1.0±20%	71	85	3.1	2.2
PNL252010M-1R5M-A	1.5±20%	90	106	2.6	2
PNL252010M-2R2M-A	2.2±20%	129	155	1.9	1.5
PNL252010M-3R3M-A	3.3±20%	196	235	1.6	1.2
PNL252010M-4R7M-A	4.7±20%	255	290	1.3	1
PNL252010M-6R8M-A	6.8±20%	380	480	1	0.95
PNL252010M-100M-A	10.0±20%	630	740	0.9	0.65

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)

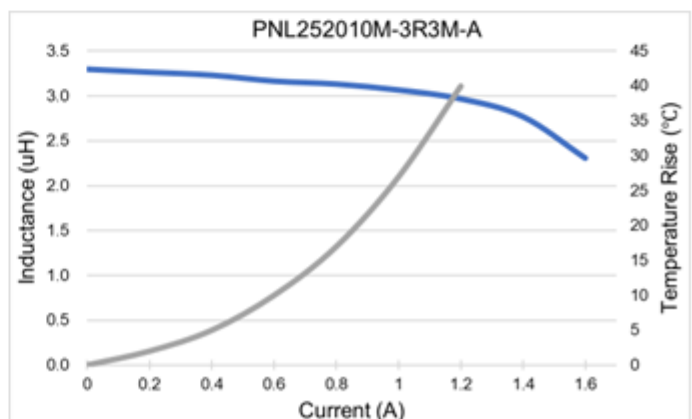
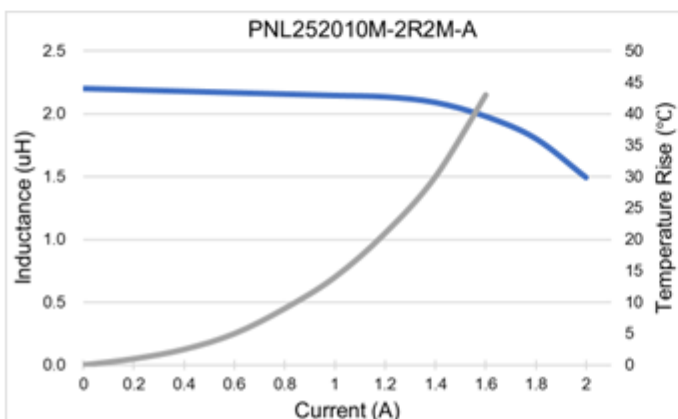
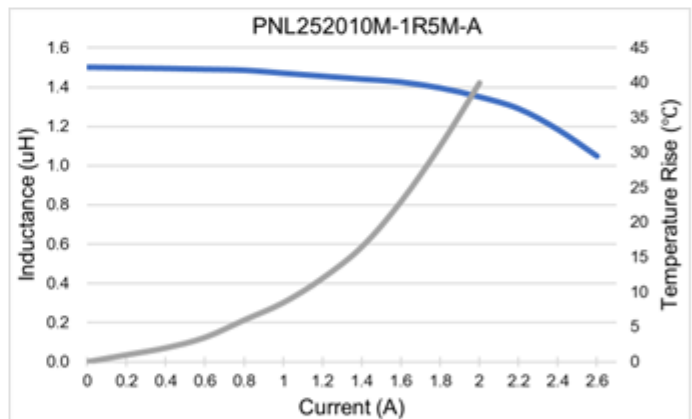
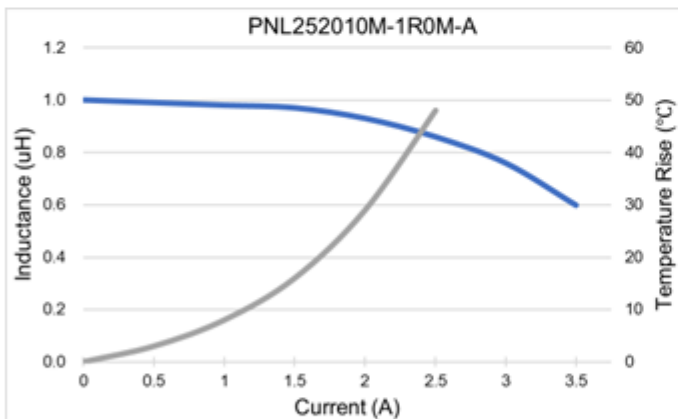
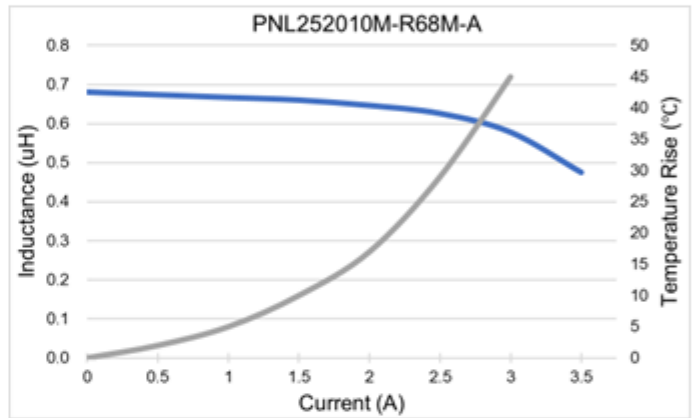
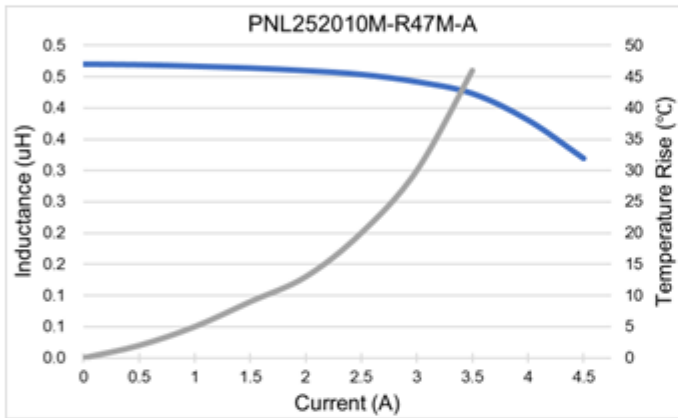
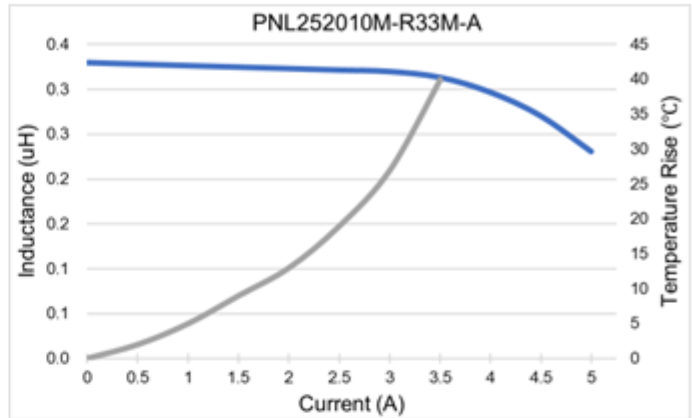
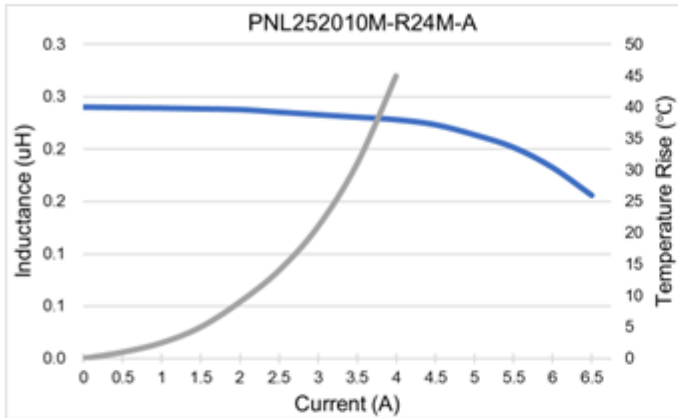
- * Reel : 2,000
- * Box : 100,000



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Performance Graph

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





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Performance Graph

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

