



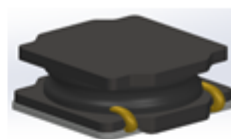
PNL201610-SERIES-A



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

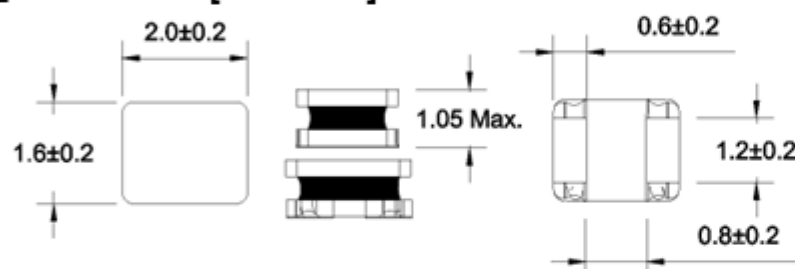
Picture



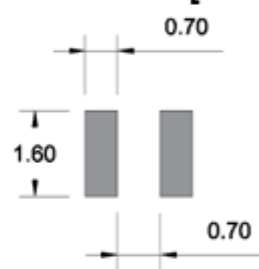
Environmental data

- 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.
PNL201610-R24M-A	0.24±20%	33	40	3.7	2.8
PNL201610-R33M-A	0.33±20%	41	48	3	2.4
PNL201610-R47M-A	0.47±20%	50	60	2.3	2.3
PNL201610-R56M-A	0.56±20%	53	68	2.2	2
PNL201610-R68M-A	0.68±20%	63	76	1.95	2
PNL201610-1R0M-A	1.0±20%	96	114	1.65	1.45
PNL201610-1R5M-A	1.5±20%	145	174	1.45	1.1
PNL201610-2R2M-A	2.2±20%	215	265	1.2	1.05
PNL201610-3R3M-A	3.3±20%	290	345	1	0.85
PNL201610-4R7M-A	4.7±20%	400	480	0.75	0.7
PNL201610-5R6M-A	5.6±20%	560	672	0.73	0.6
PNL201610-6R8M-A	6.8±20%	610	800	0.7	0.55
PNL201610-8R2M-A	8.2±20%	730	940	0.68	0.53
PNL201610-100M-A	10.0±20%	800	1,000	0.65	0.5
PNL201610-120M-A	12.0±20%	1,100	1,430	0.62	0.36
PNL201610-150M-A	15.0±20%	1,300	1,700	0.5	0.3
PNL201610-220M-A	22.0±20%	1,400	1,700	0.32	0.3

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)

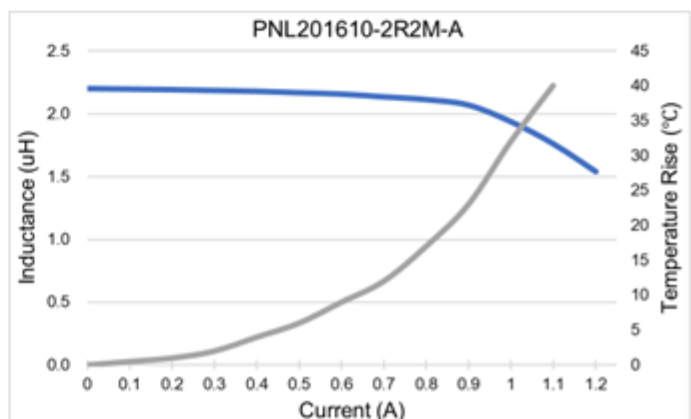
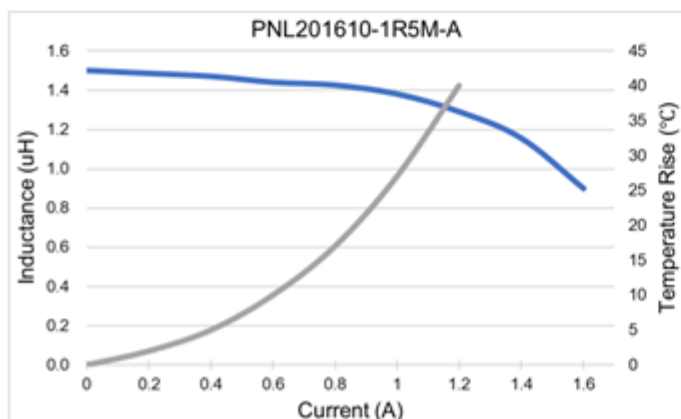
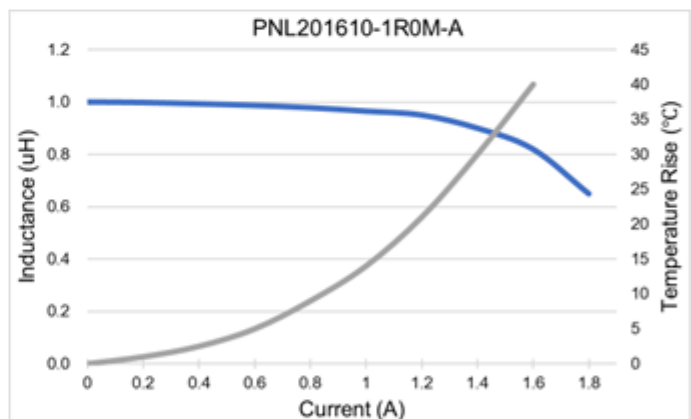
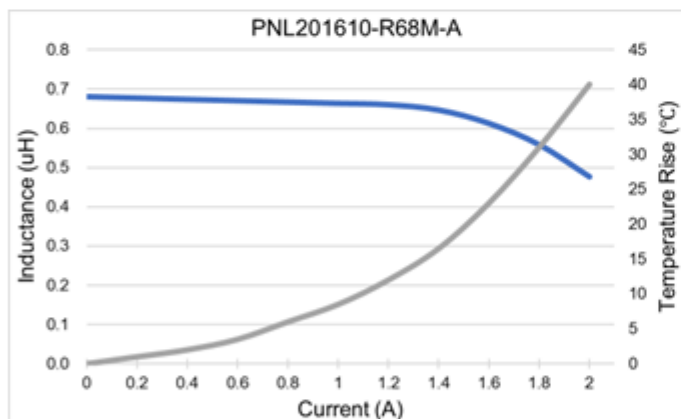
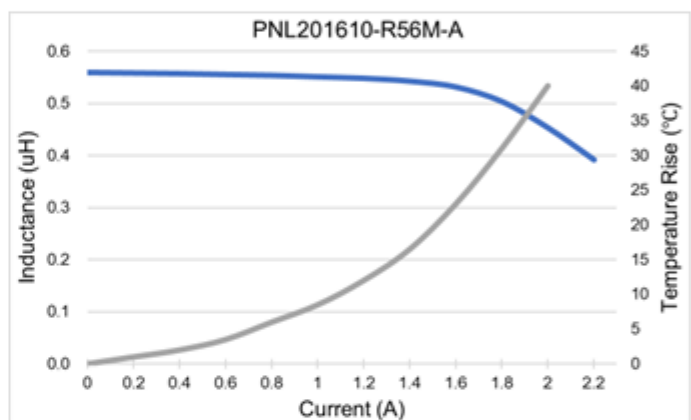
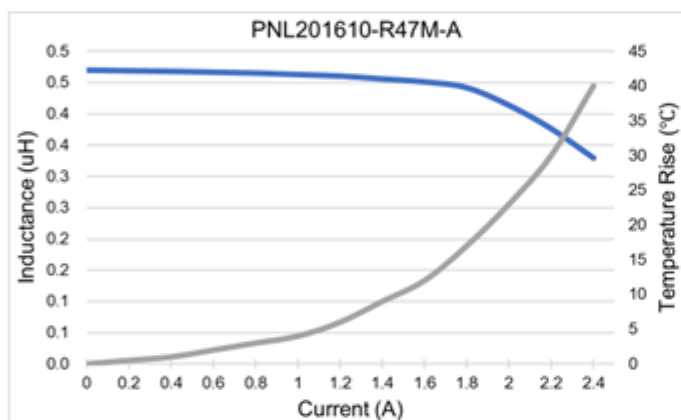
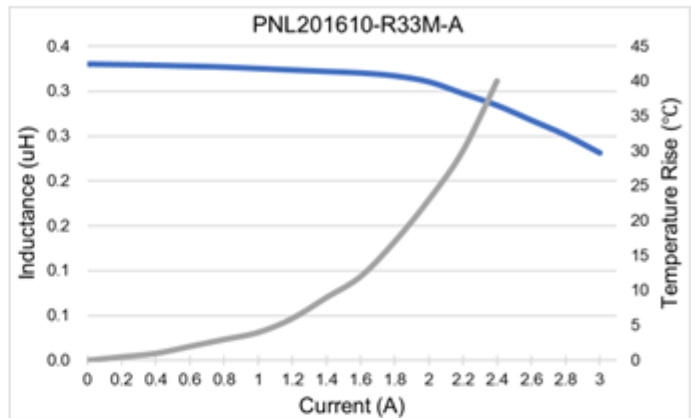
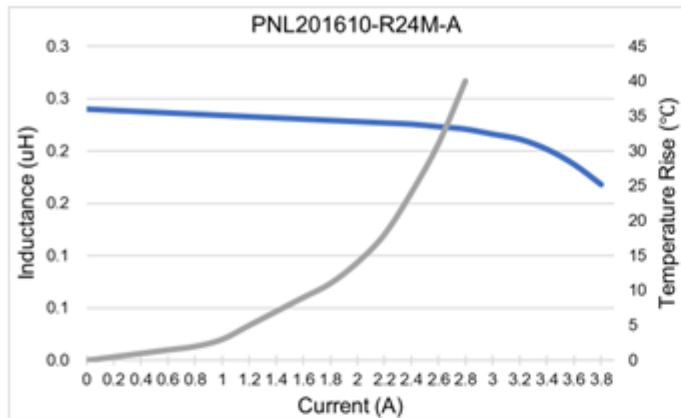
- * Reel : 2,000
- * Box : 100,000



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Performance Graph

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

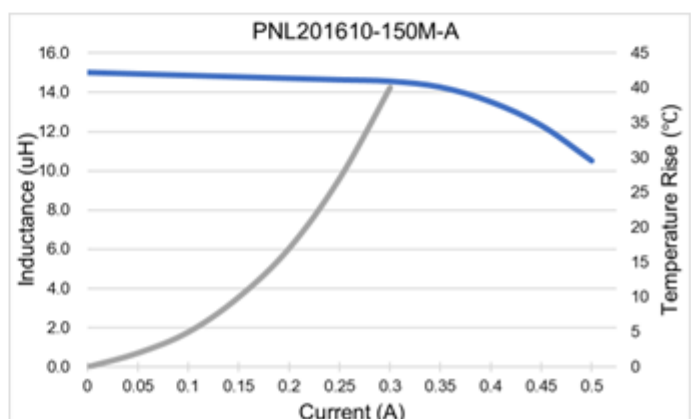
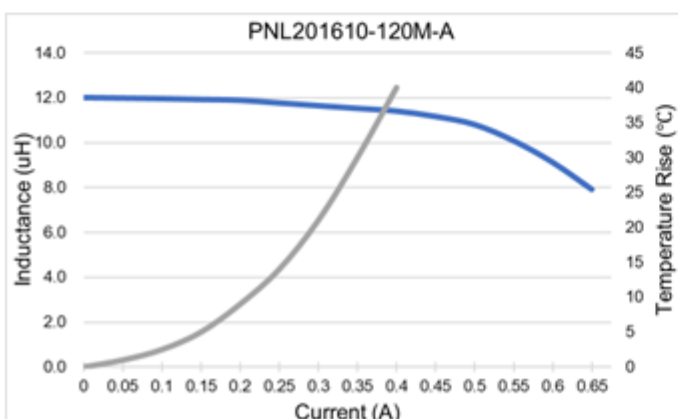
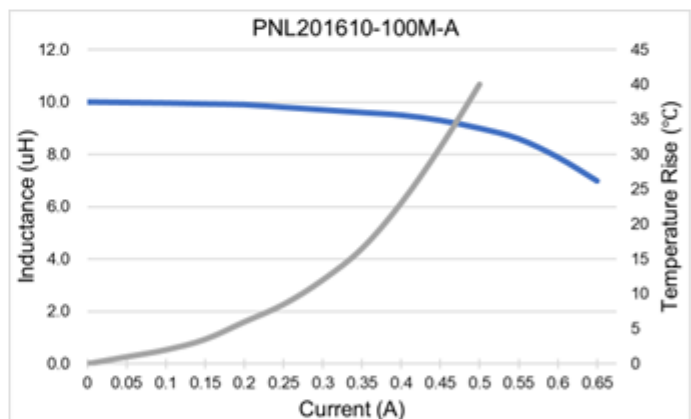
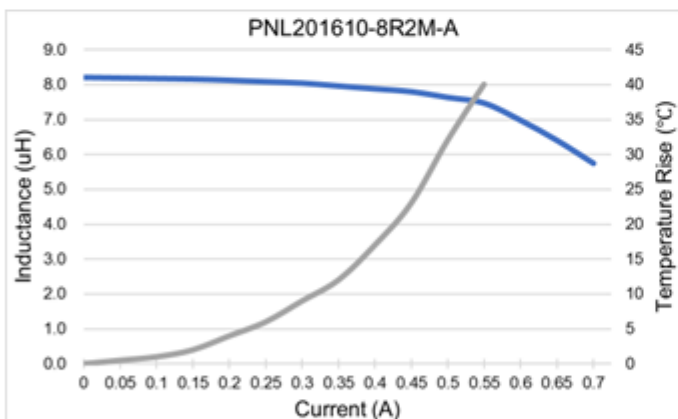
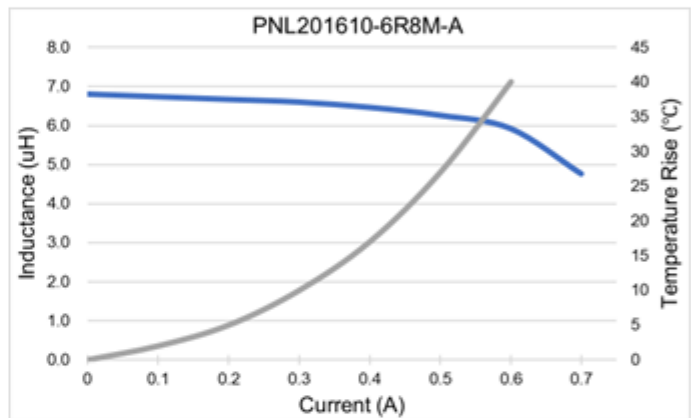
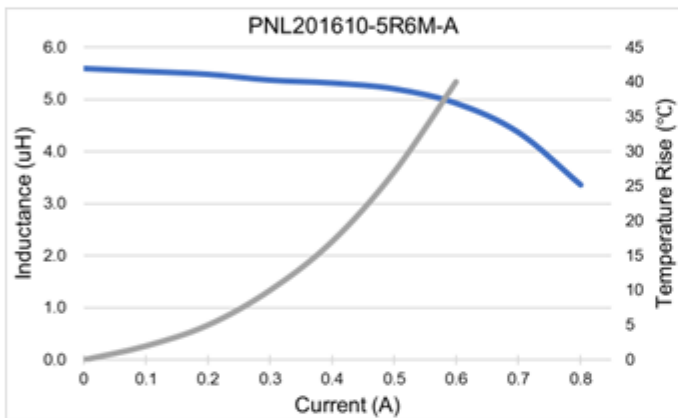
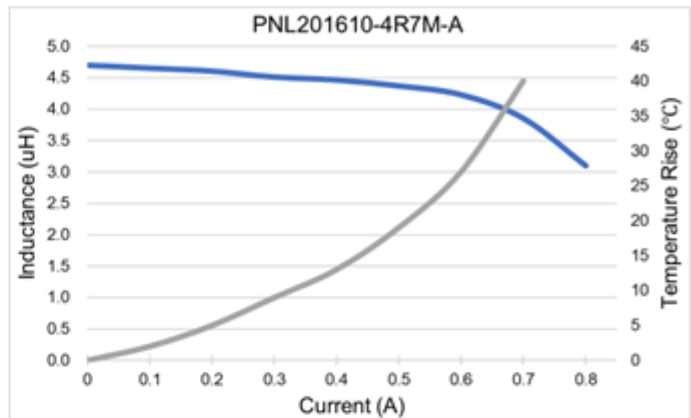
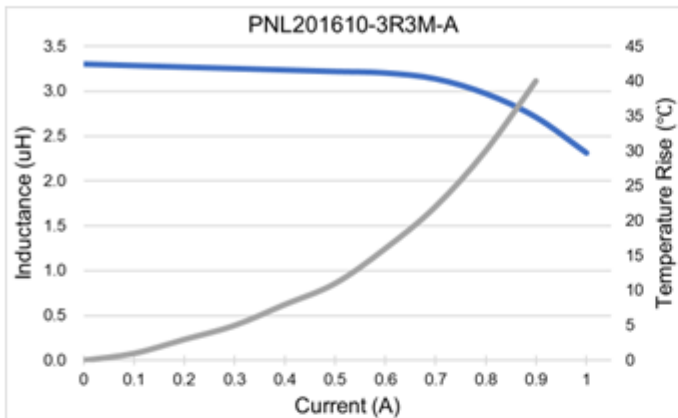




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Performance Graph

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





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