

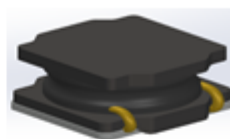


PNL201610M-SERIES-A

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

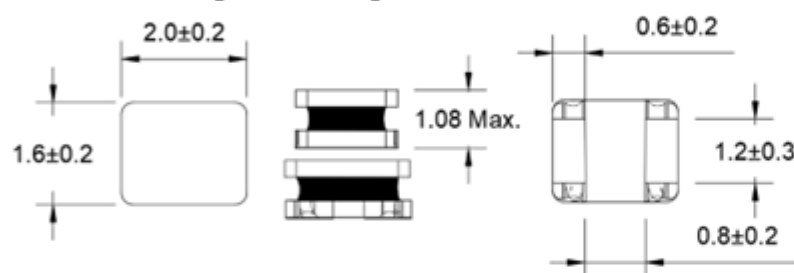
Picture



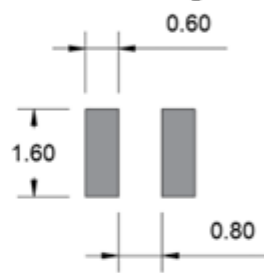
Environmental data

- 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.
PNL201610M-R24M-A	0.24±20%	33	40	4.5	3
PNL201610M-R33M-A	0.33±20%	41	49	4.4	2.7
PNL201610M-R47M-A	0.47±20%	41	49	4.06	2.7
PNL201610M-R56M-A	0.56±20%	43	53	3.8	2.6
PNL201610M-R68M-A	0.68±20%	57	65	3.5	2.5
PNL201610M-1R0M-A	1.0±20%	78	95	3.3	2
PNL201610M-1R5M-A	1.5±20%	110	130	1.95	1.7
PNL201610M-2R2M-A	2.2±20%	160	180	1.9	1.4
PNL201610M-3R3M-A	3.3±20%	245	307	1.4	1.1
PNL201610M-4R7M-A	4.7±20%	370	425	1.1	0.9
PNL201610M-6R8M-A	6.8±20%	500	620	0.95	0.7
PNL201610M-8R2M-A	8.2±20%	670	870	0.86	0.66
PNL201610M-100M-A	10.0±20%	700	875	0.8	0.6
PNL201610M-150M-A	15.0±20%	1,300	1,700	0.69	0.36

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)

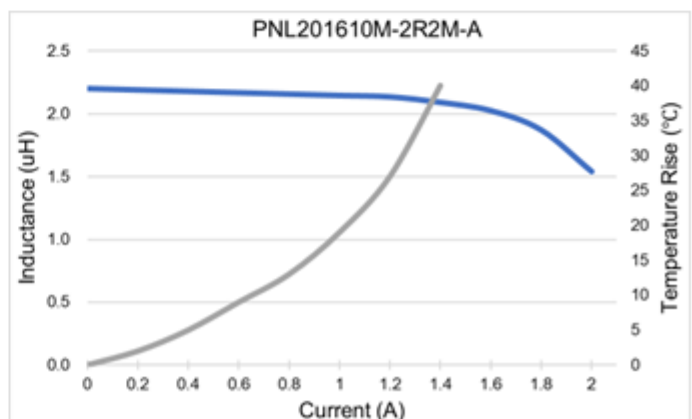
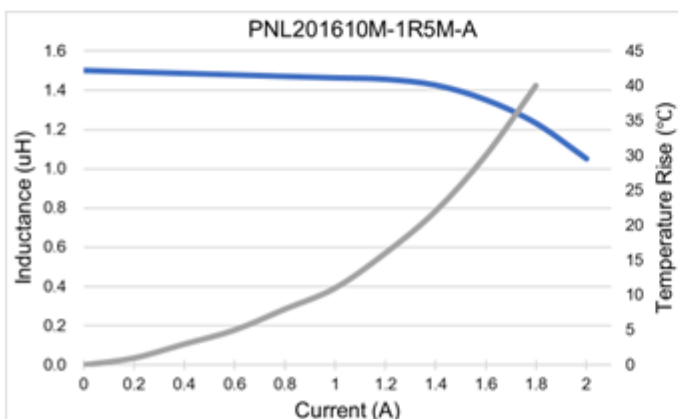
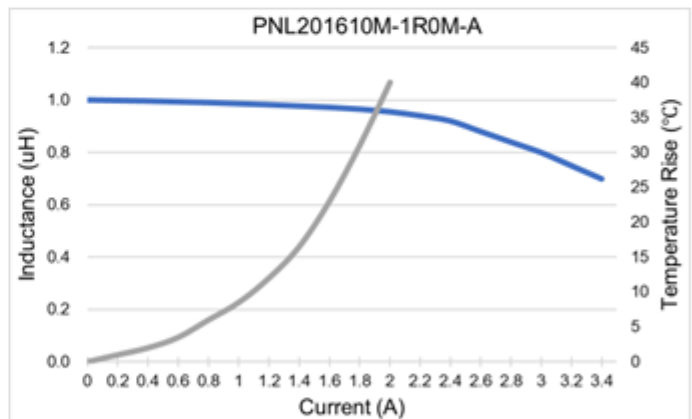
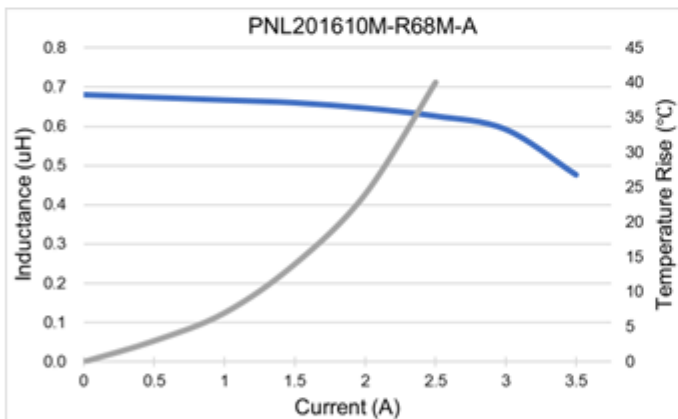
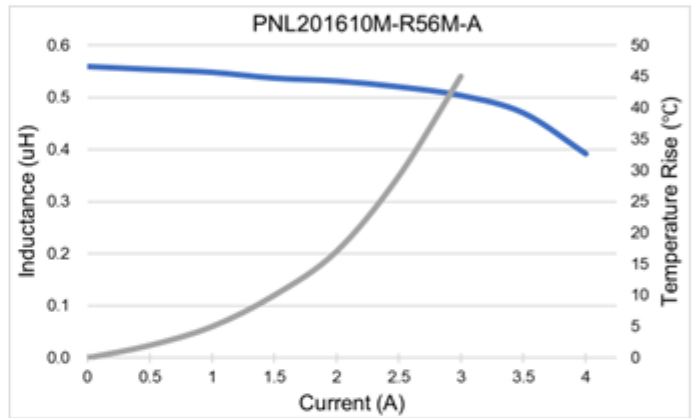
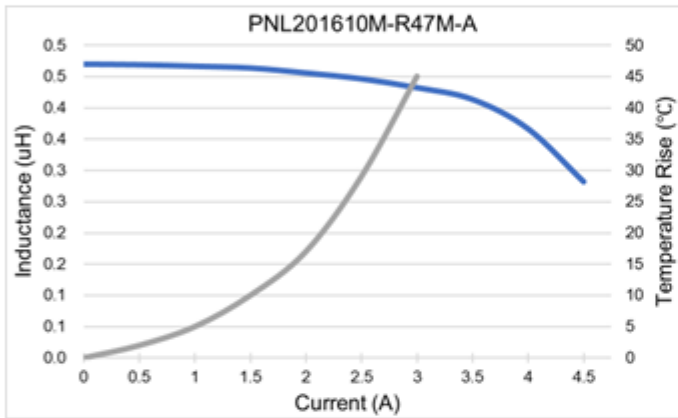
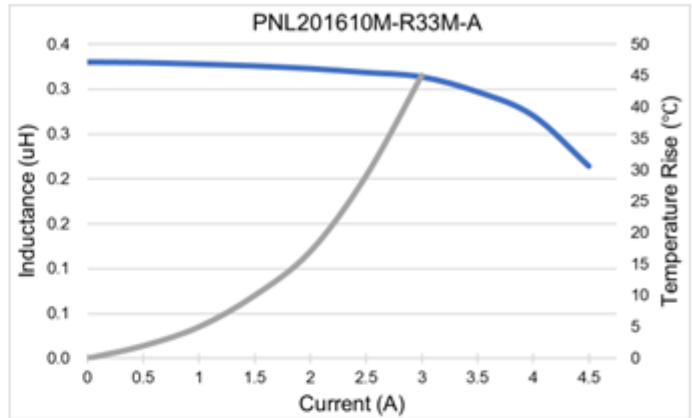
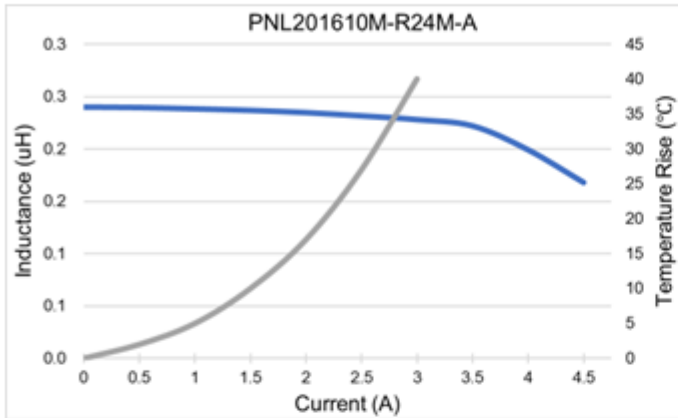
- * Reel : 2,000
- * Box : 100,000



PNL201610M-SERIES-A

Performance Graph

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





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Performance Graph

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

