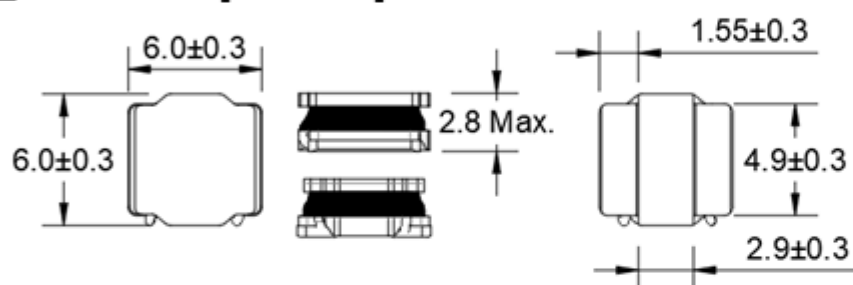
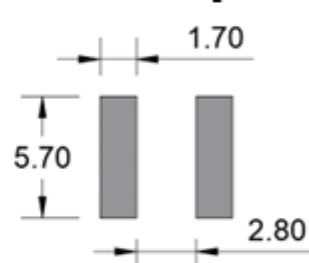


**PNL6028-SERIES-A****Applications**

- 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

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) 100kHz, 1V, 0A	DCR (mΩ)		Saturation Current DC(A) a)	Heating Rating Current DC(A) b)
		TYP.	MAX.	MAX.	MAX.
PNL6028-1R0N-A	1.0±30%	12	16	6.7	4.6
PNL6028-1R5N-A	1.5±30%	16	21	6	4.3
PNL6028-1R8N-A	1.8±30%	19	25	5.3	4.1
PNL6028-2R2N-A	2.2±30%	20	26	5.1	3.75
PNL6028-3R3N-A	3.3±30%	25	33	3.63	3.4
PNL6028-4R7N-A	4.7±30%	33	43	3	3
PNL6028-5R6N-A	5.6±30%	45	59	2.8	2.45
PNL6028-6R8M-A	6.8±20%	56	73	2.6	2.4
PNL6028-8R2M-A	8.2±20%	68	88	2.4	2.25
PNL6028-100M-A	10.0±20%	78	101	2.05	1.9
PNL6028-150M-A	15.0±20%	125	163	1.75	1.5
PNL6028-180M-A	18.0±20%	130	169	1.55	1.45
PNL6028-220M-A	22.0±20%	140	182	1.45	1.4
PNL6028-270M-A	27.0±20%	180	234	1.4	1.3
PNL6028-330M-A	33.0±20%	220	286	1.35	1.1
PNL6028-470M-A	47.0±20%	280	364	1.15	1.05
PNL6028-680M-A	68.0±20%	420	546	0.95	0.85
PNL6028-820M-A	82.0±20%	550	715	0.8	0.7
PNL6028-101M-A	100.0±20%	670	871	0.65	0.6
PNL6028-121M-A	120.0±20%	820	1,066	0.62	0.58

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

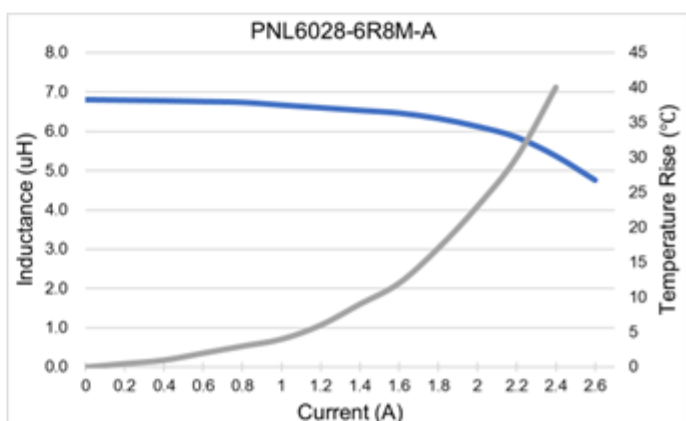
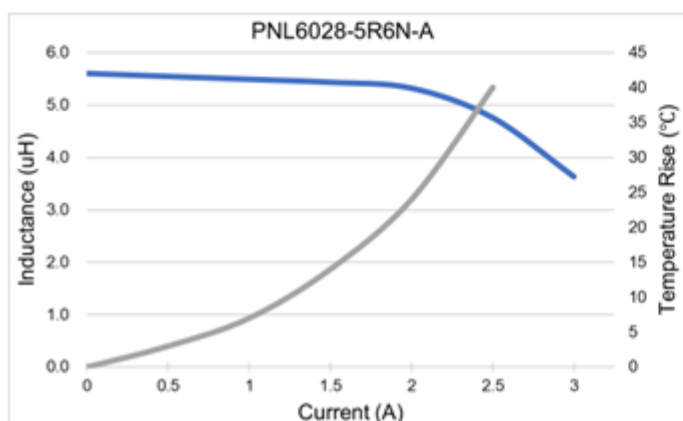
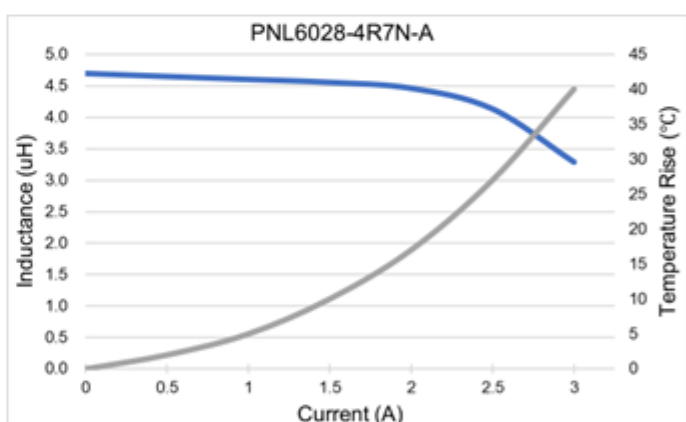
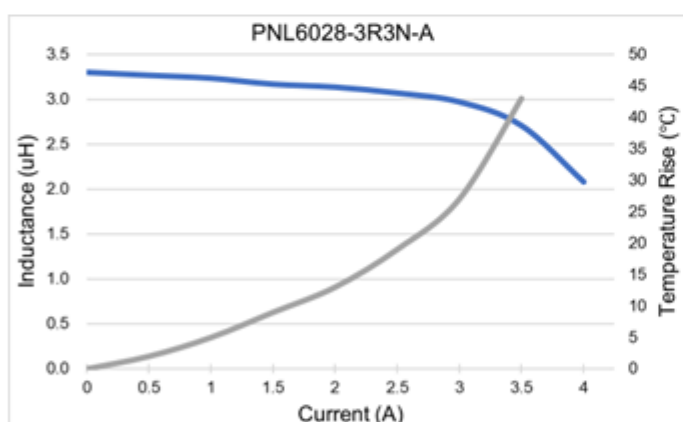
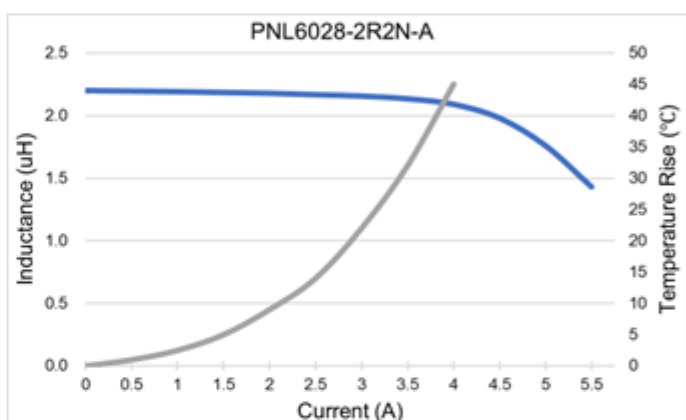
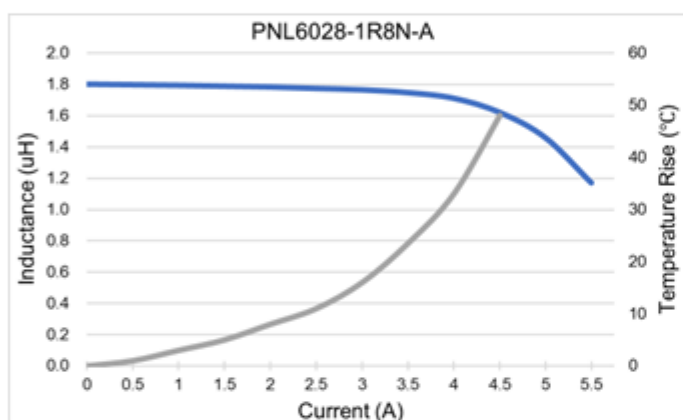
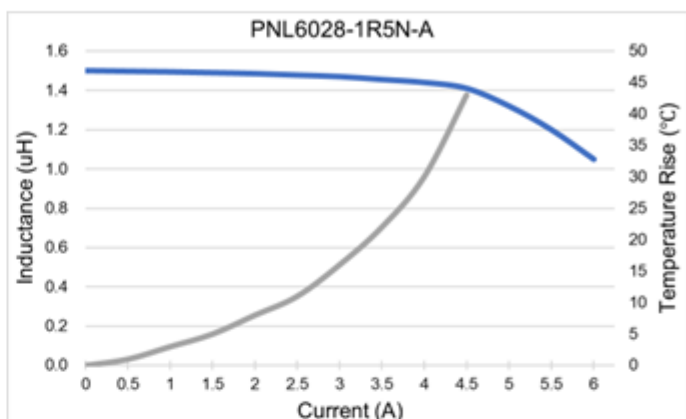
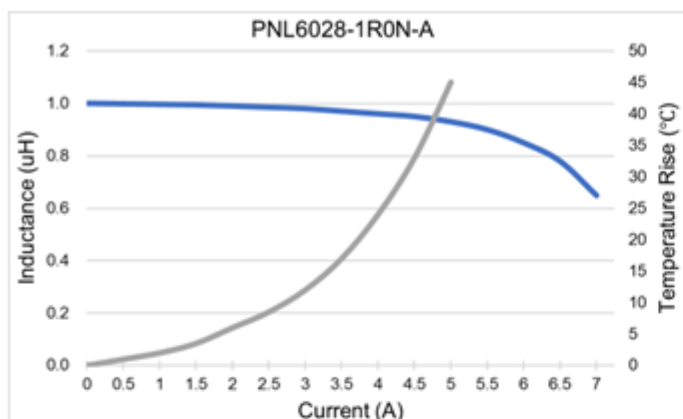
* Box : 12,000



PNL6028-SERIES-A

■ Performance Graph

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

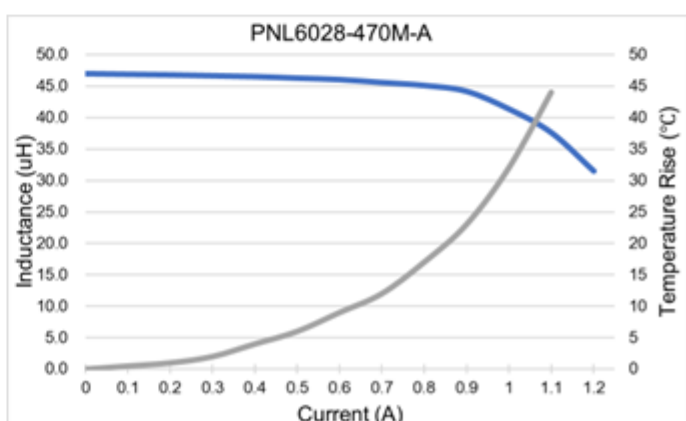
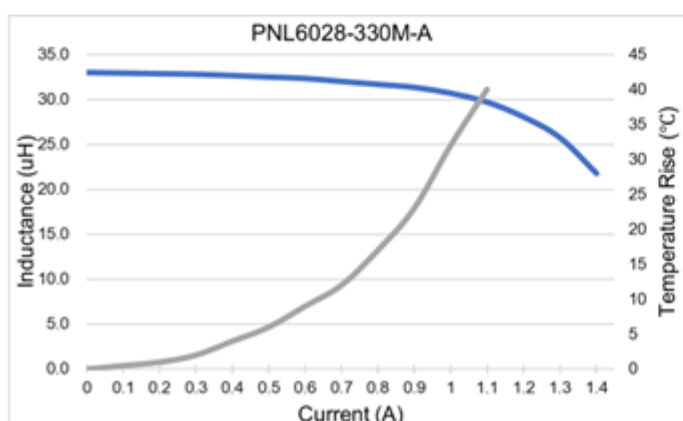
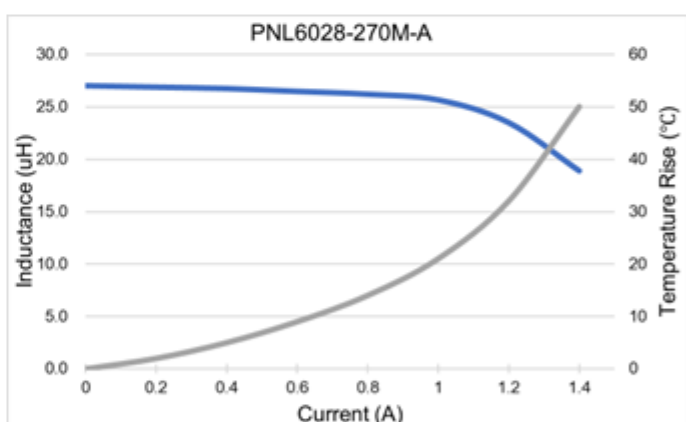
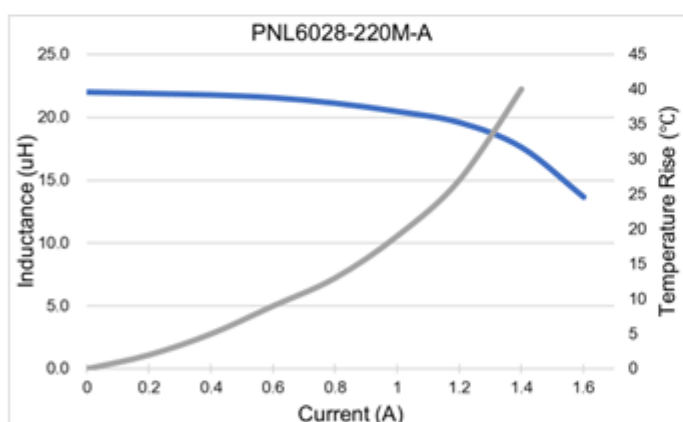
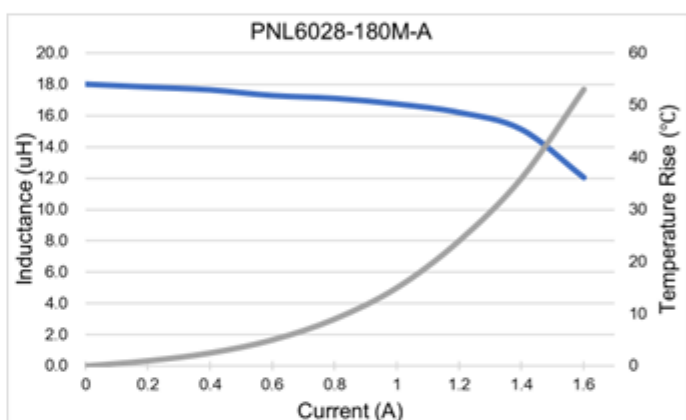
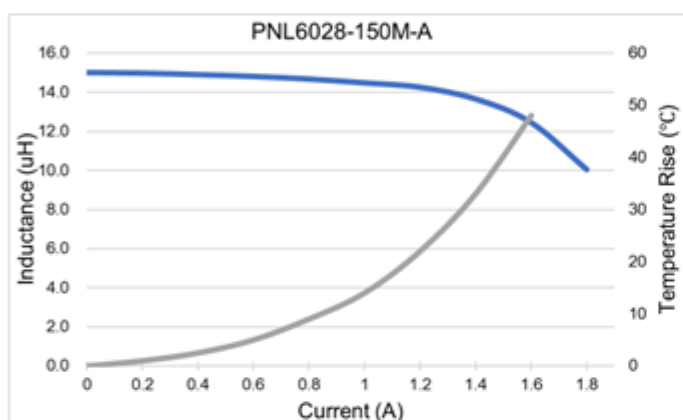
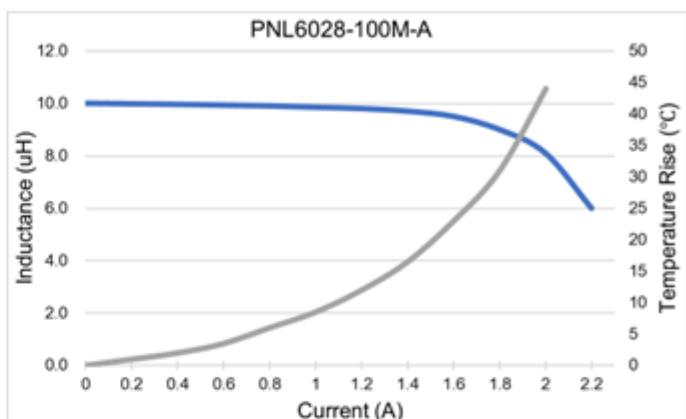
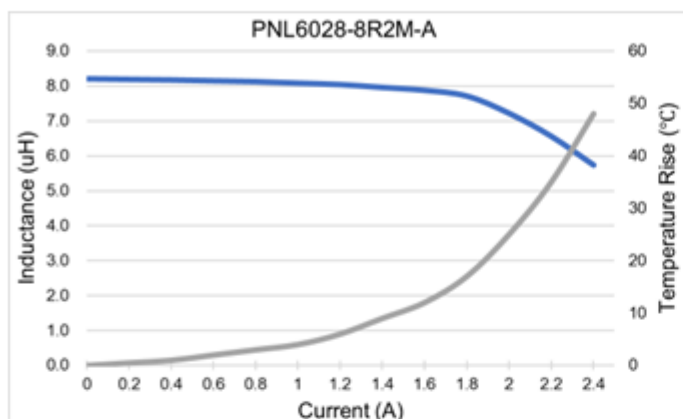




PNL6028-SERIES-A

■ Performance Graph

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





PNL6028-SERIES-A

■ Performance Graph

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

