



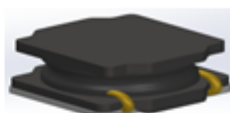
PNL6020-SERIES-A



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

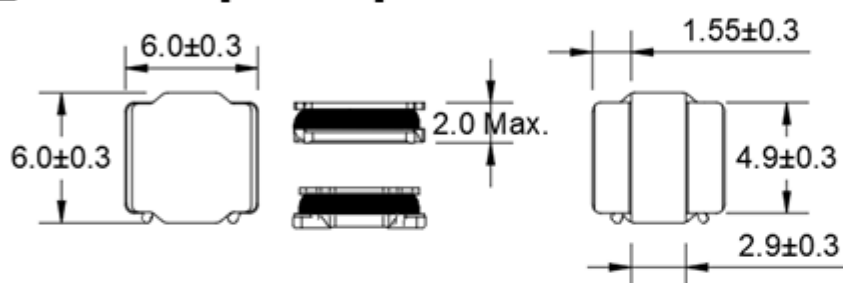
Picture



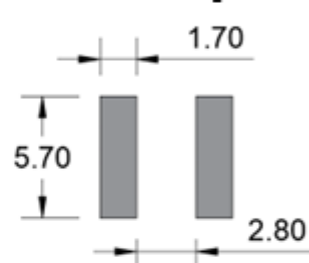
Environmental data

- 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) 100kHz, 1V, 0A	DCR (mΩ)		Saturation Current DC(A) a)	Heating Rating Current DC(A) b)
		TYP.	MAX.	MAX.	MAX.
PNL6020-R68N-A	0.68±30%	15	20	7.5	3.8
PNL6020-1R0N-A	1.0±30%	20	26	4.8	3.5
PNL6020-1R2N-A	1.2±30%	20	26	4.3	3.5
PNL6020-1R5N-A	1.5±30%	25	33	4.3	3.2
PNL6020-2R2N-A	2.2±30%	35	46	3.75	2.75
PNL6020-3R3N-A	3.3±30%	45	59	3.15	2.6
PNL6020-4R7N-A	4.7±30%	58	75	3	2
PNL6020-5R6M-A	5.6±20%	70	91	2.4	1.9
PNL6020-6R8M-A	6.8±20%	85	111	2.2	1.8
PNL6020-100M-A	10.0±20%	120	156	1.75	1.4
PNL6020-150M-A	15.0±20%	160	208	1.5	1.2
PNL6020-220M-A	22.0±20%	240	312	1.25	1
PNL6020-270M-A	27.0±20%	350	455	1.15	0.95
PNL6020-330M-A	33.0±20%	400	520	1.1	0.9
PNL6020-470M-A	47.0±20%	500	650	1	0.8
PNL6020-680M-A	68.0±20%	815	1,060	0.8	0.68

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)

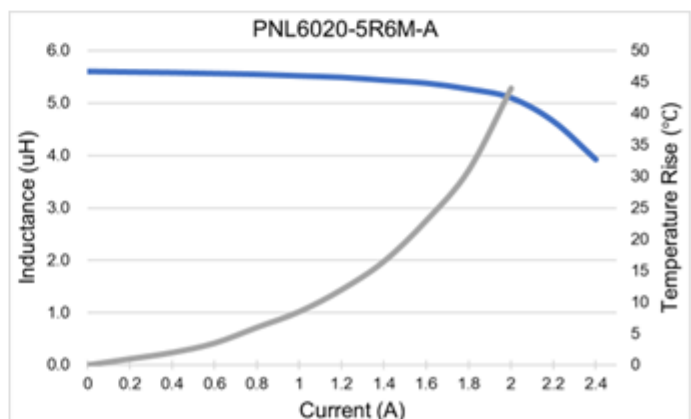
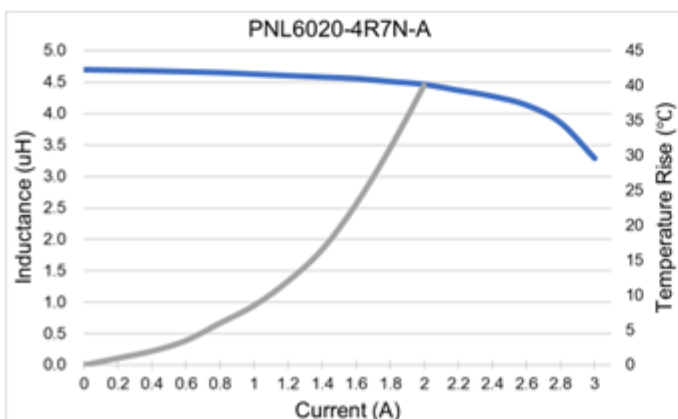
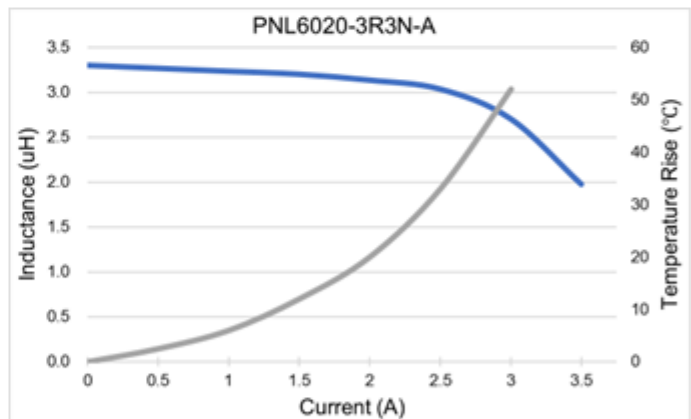
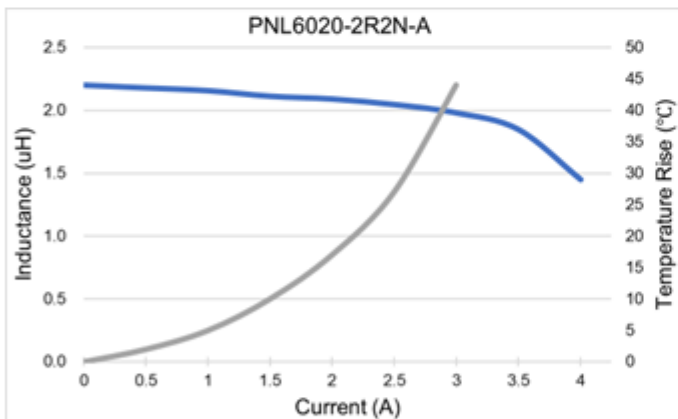
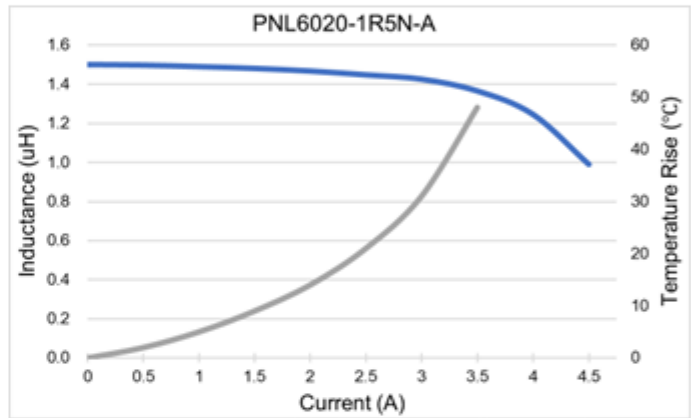
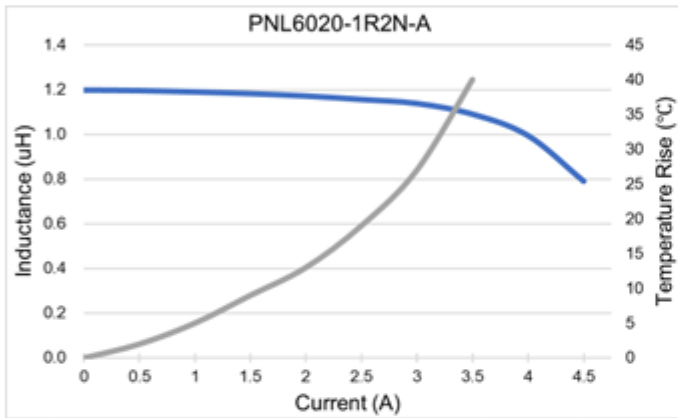
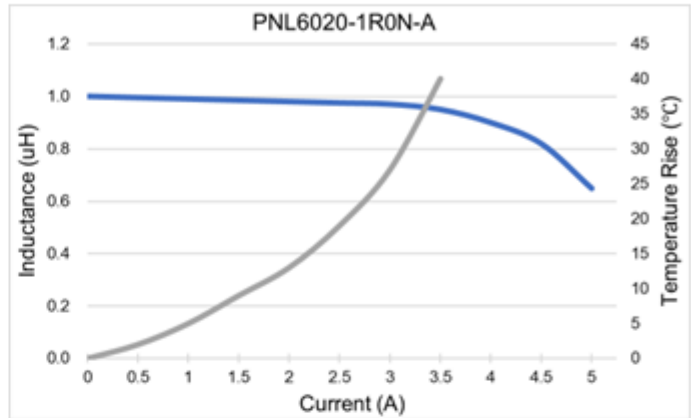
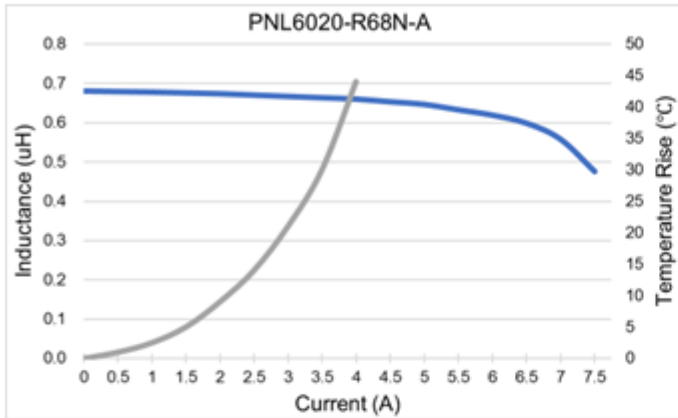
- * Reel : 3,000
- * Box : 18,000



PNL6020-SERIES-A

Performance Graph

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





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Performance Graph

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

