



## PNL8050-SERIES-A

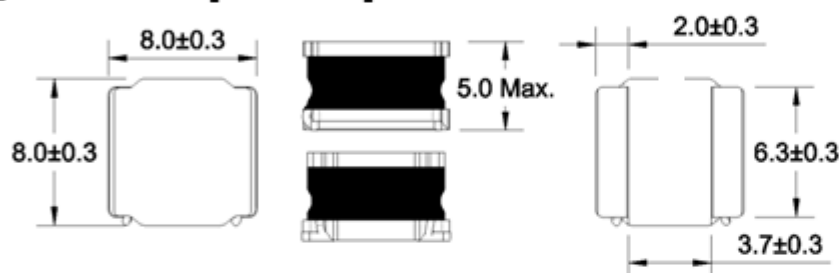
### Applications

- 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

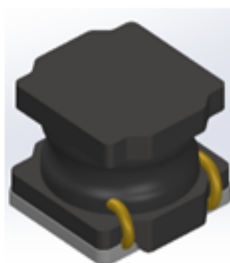
### Environmental data

- Operating temperature range : -50°C ~ +125°C(component)
- Storage conditions (packaged) : -25°C ~ +40°C, ≤75% RH
- Complies with AEC-Q200 standard

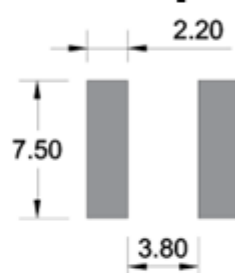
### Dimensions [Unit : mm]



### Picture



### 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.
PNL8050-100M-A	10±20%	27	35	3.2	3.1
PNL8050-220M-A	22±20%	50	65	2.6	2.9
PNL8050-330M-A	33±20%	75	97	2	2.1
PNL8050-680M-A	68±20%	155	201	1.4	1.3
PNL8050-331M-A	330±20%	700	910	0.6	0.7
PNL8050-821M-A	820±20%	1,800	2,340	0.37	0.46
PNL8050-102M-A	1,000±20%	2,100	2,730	0.35	0.32
PNL8050-122M-A	1,200±20%	2,300	2,990	0.32	0.3
PNL8050-152M-A	1,500±20%	3,000	3,900	0.26	0.25
PNL8050-252M-A	2,500±20%	5,300	6,890	0.23	0.23
PNL8050-472M-A	4,700±20%	9,500	12,350	0.16	0.2

### 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)

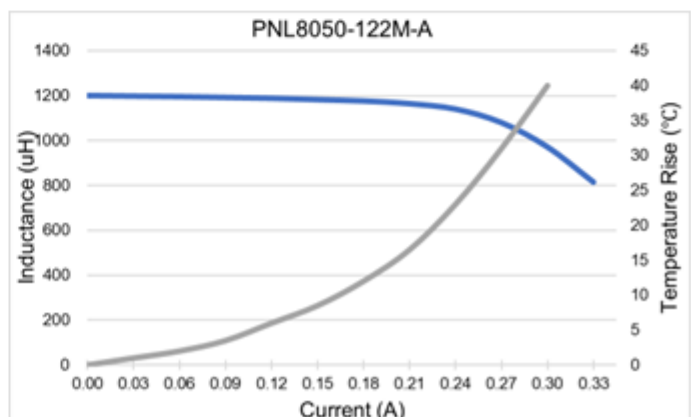
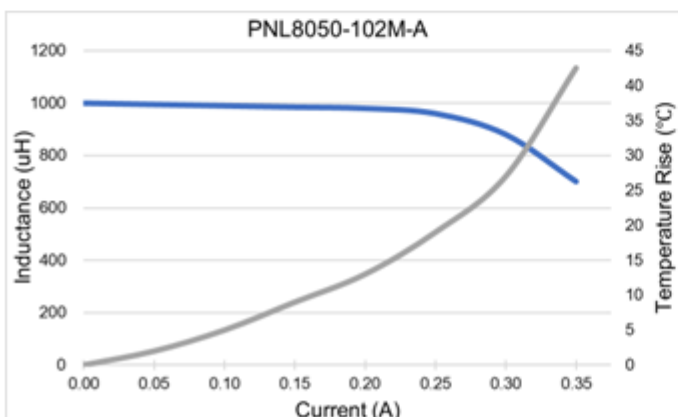
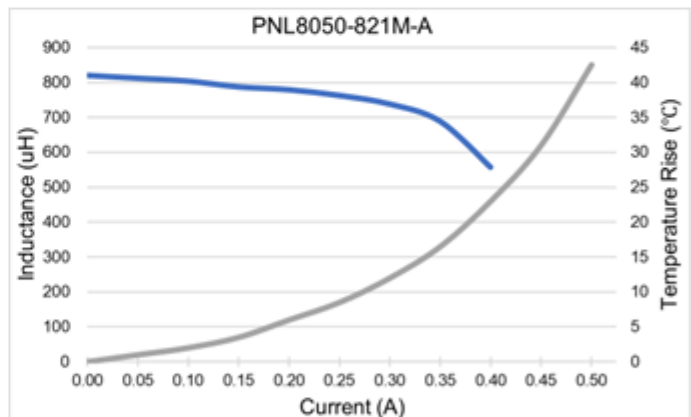
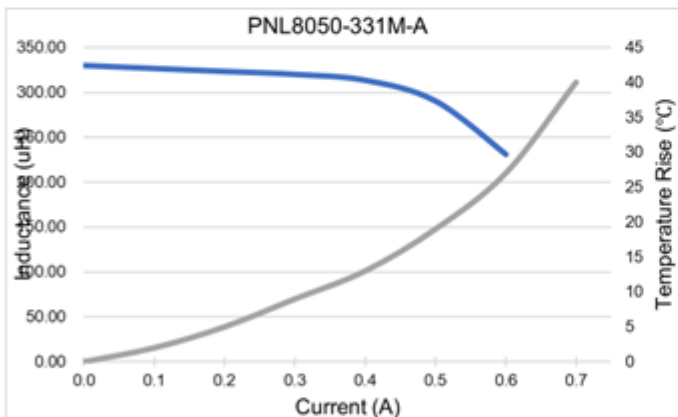
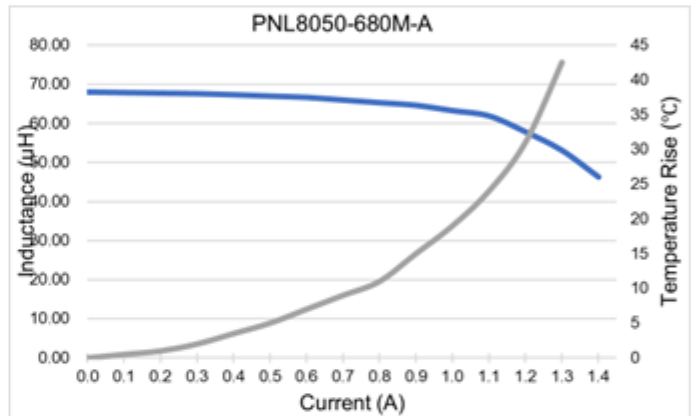
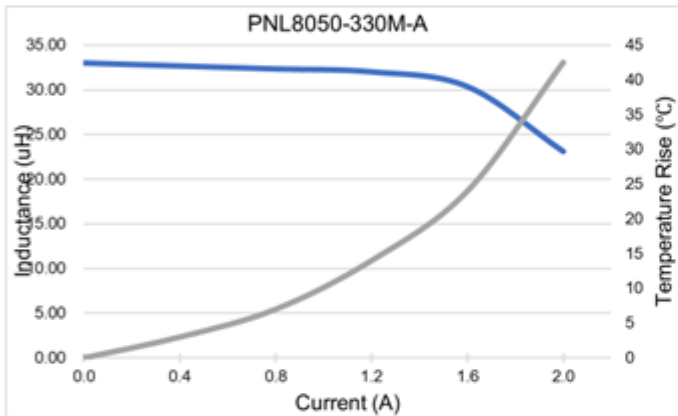
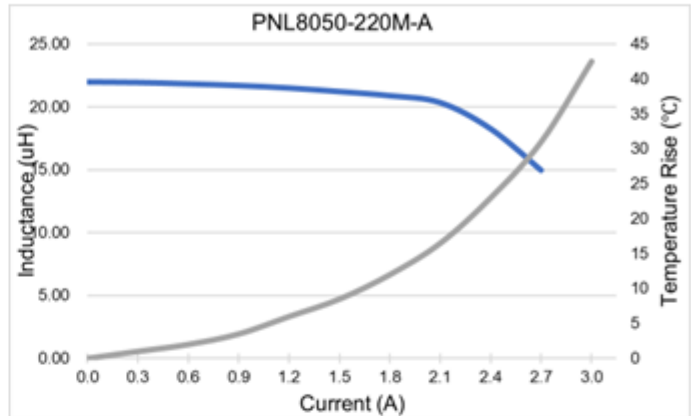
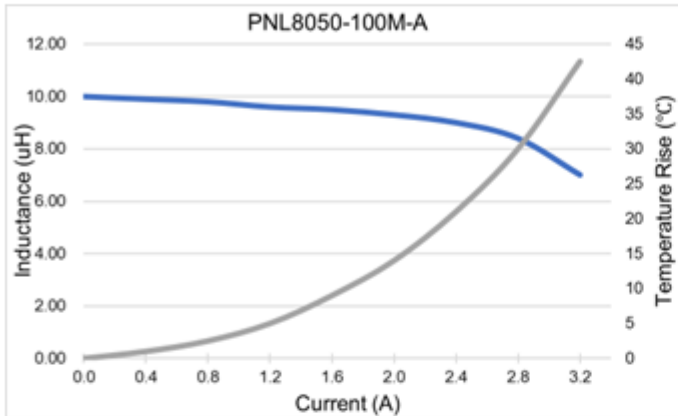
- \* Reel : 700
- \* Box : 3,500



## PNL8050-SERIES-A

### Performance Graph

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





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

