

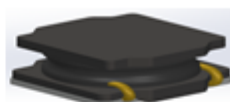


## PNL6015-SERIES-A

### 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

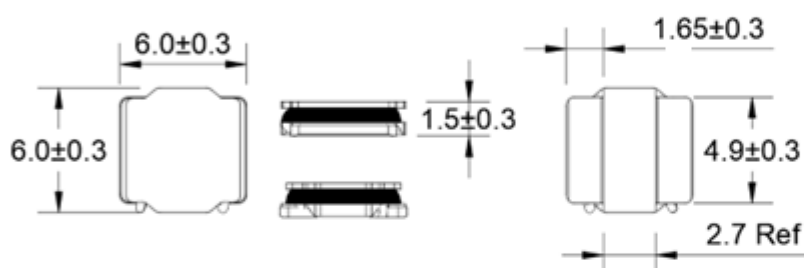
### Picture



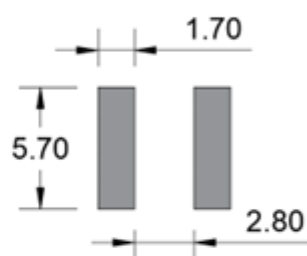
### Environmental data

- 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.
PNL6015-1R2N-A	1.2±30%	35	46	4.2	2.8
PNL6015-2R2N-A	2.2±30%	50	65	3.1	2.3
PNL6015-3R3N-A	3.3±30%	60	78	2.6	2.1
PNL6015-4R7M-A	4.7±20%	90	117	2.1	1.9
PNL6015-5R6M-A	5.6±20%	92	120	2	1.8
PNL6015-6R8M-A	6.8±20%	115	150	1.8	1.65
PNL6015-100M-A	10.0±20%	155	202	1.45	1.35
PNL6015-150M-A	15.0±20%	220	286	1.2	1.2
PNL6015-220M-A	22.0±20%	320	416	1	1

### 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)

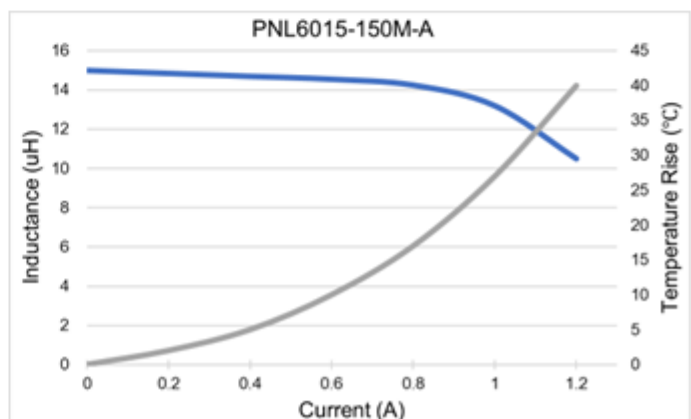
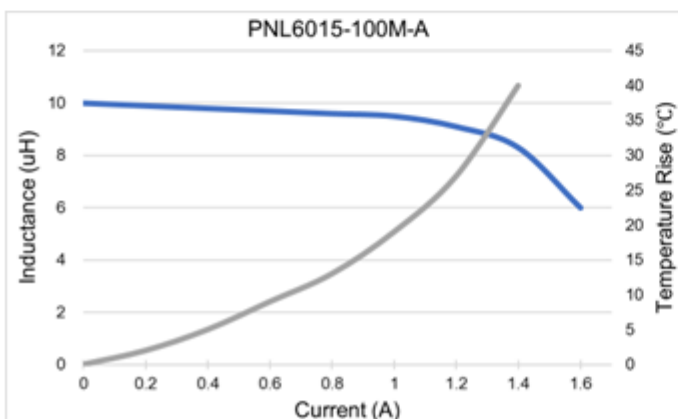
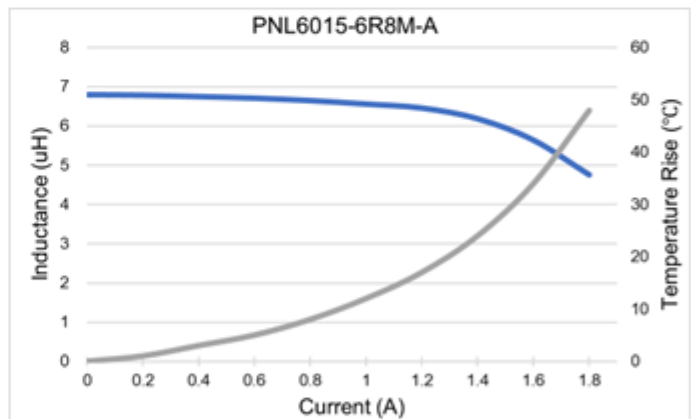
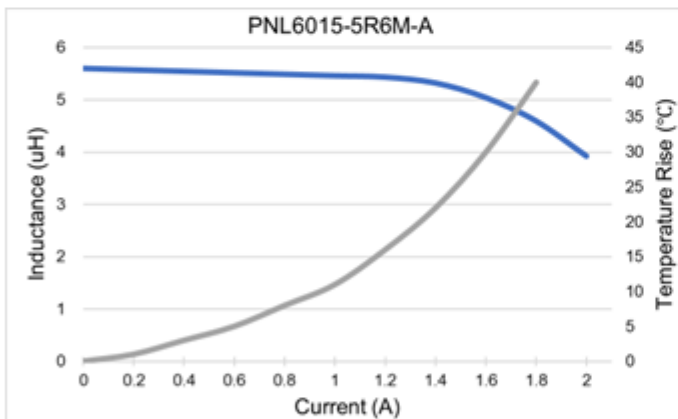
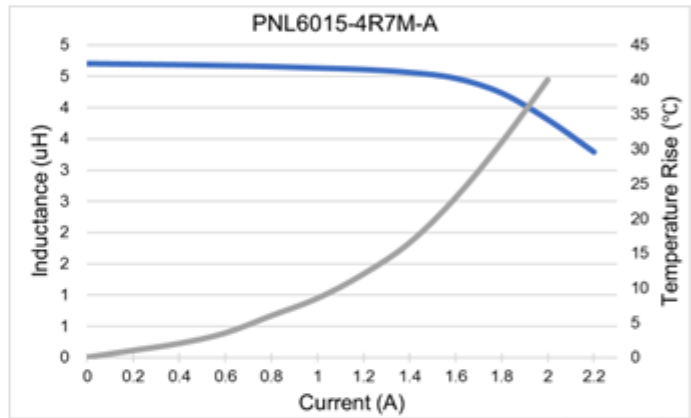
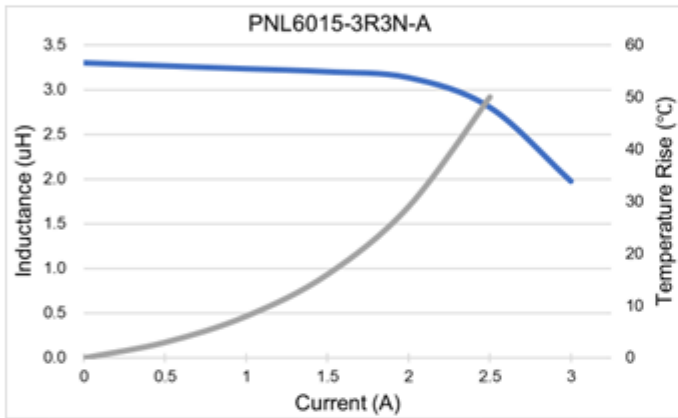
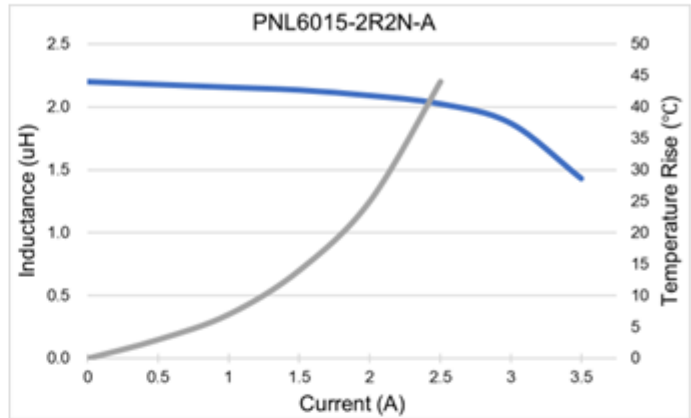
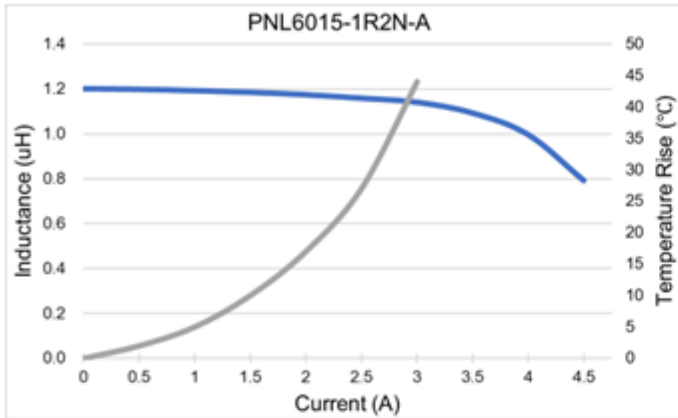
- \* Reel : 3,000
- \* Box : 18,000



## PNL6015-SERIES-A

### Performance Graph

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





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### ■ Performance Graph

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

