



PNL8065-SERIES-A



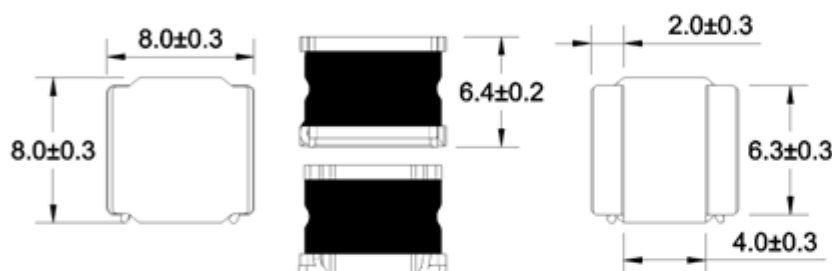
Applications

- 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

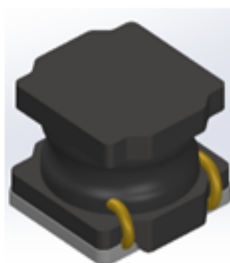
Environmental data

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

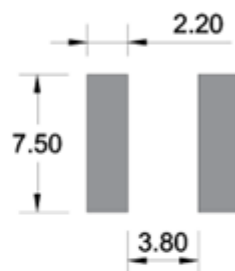
Dimensions [Unit : mm]



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.
PNL8065-4R7N-A	4.7±30%	18	23	8.5	4.7
PNL8065-6R8M-A	6.8±20%	26	34	7.6	4.3
PNL8065-100M-A	10.0±20%	33	43	6.6	4
PNL8065-220M-A	22.0±20%	54	70	4.3	2.8
PNL8065-330M-A	33.0±20%	83	108	3.6	2
PNL8065-470M-A	47.0±20%	135	176	2.85	1.8
PNL8065-680M-A	68.0±20%	181	235	2.5	1.5
PNL8065-820M-A	82.0±20%	215	280	2.3	1.4
PNL8065-101M-A	100.0±20%	250	325	2	1.3
PNL8065-151M-A	150.0±20%	360	468	1.6	1
PNL8065-221M-A	220.0±20%	528	686	1.3	0.9
PNL8065-102M-A	1,000.0±20%	2,350	3,055	0.65	0.4
PNL8065-222M-A	2,200.0±20%	5,000	6,500	0.45	0.27

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)

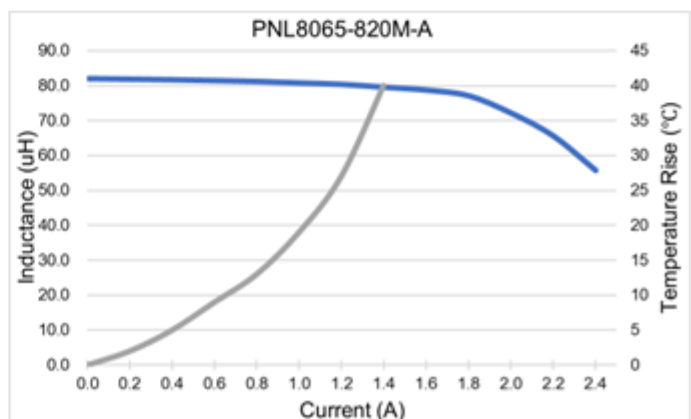
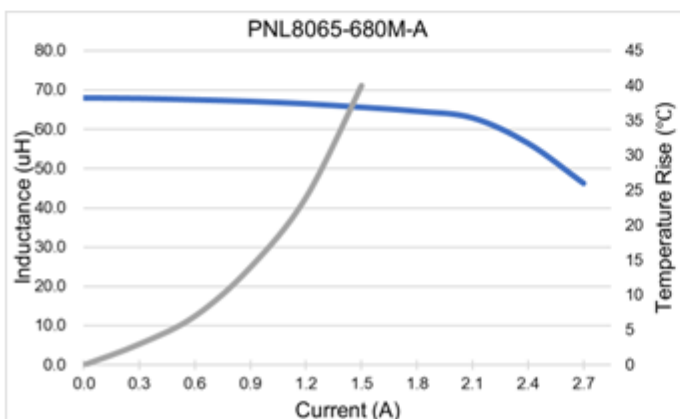
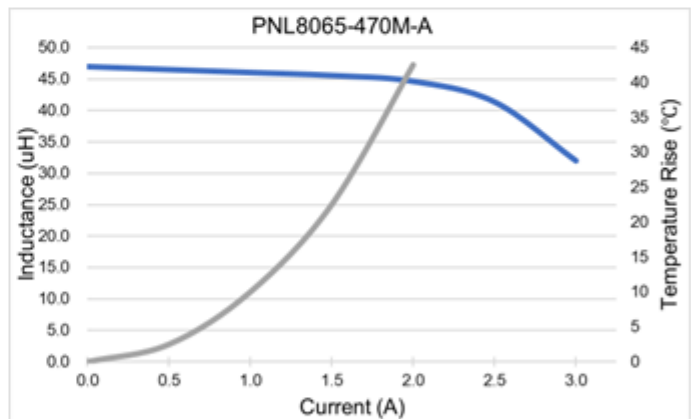
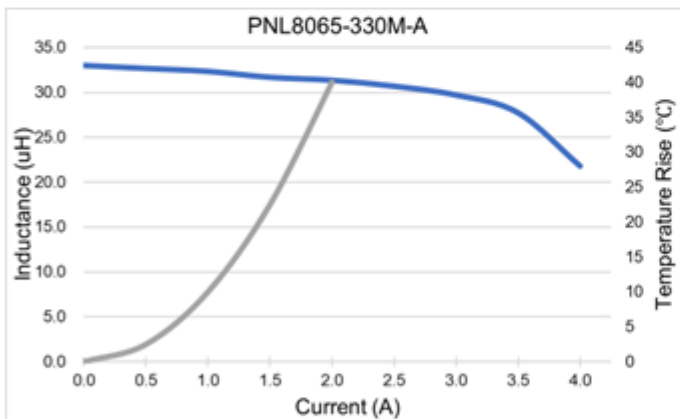
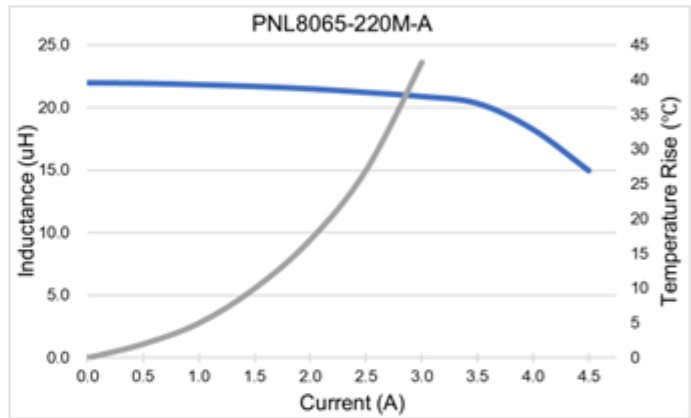
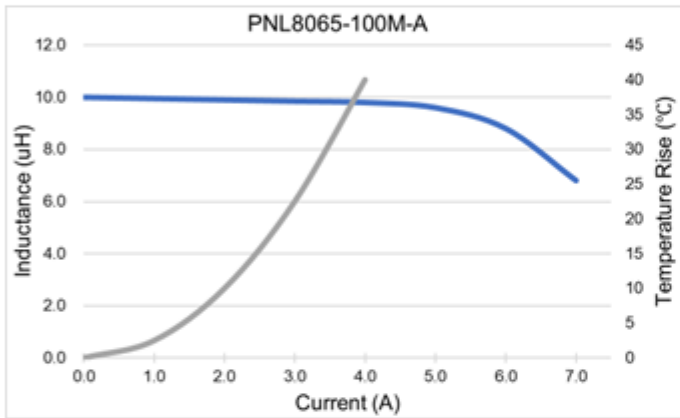
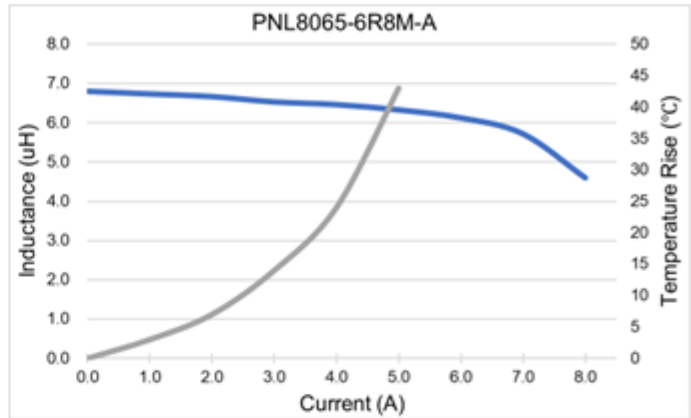
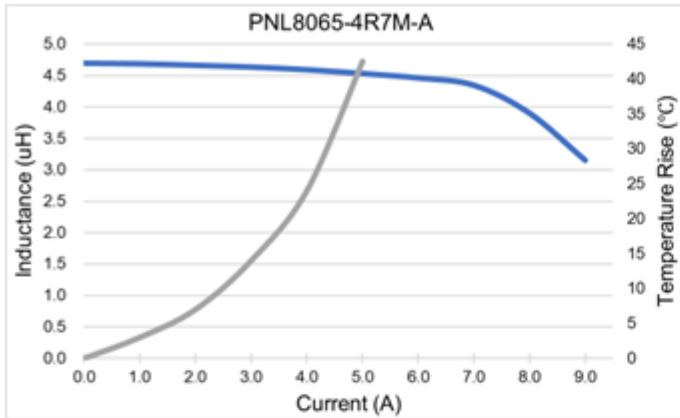
- * Reel : 700
- * Box : 3,500



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Performance Graph

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





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Performance Graph

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

