



SPI100-40-SERIES-A



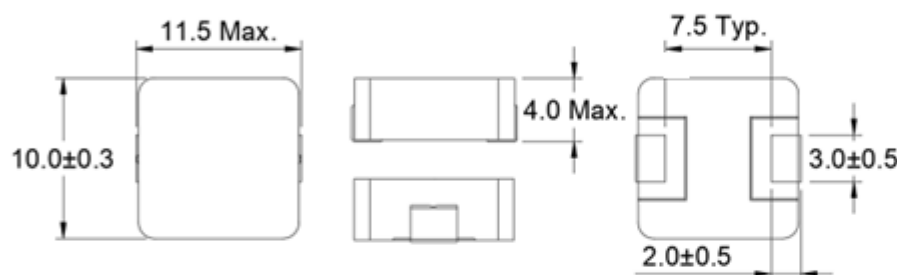
Applications

- 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

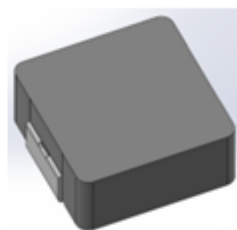
Environmental data

- Operating temperature range : -55°C ~ +155°C(component)
- Storage conditions (packaged) : -25°C ~ +40°C, ≤75% RH
- Complies with AEC-Q200 standard

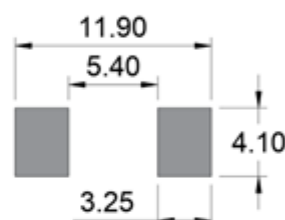
Dimensions [Unit : mm]



Picture



Land Pattern [Unit : mm]



Specifications

Part No.	L0 Inductance(uH) 100kHz, 1V, 0A	DCR (mΩ)		Saturation Current DC(A) a	Heating Rating Current DC(A) b
		TYP.	MAX.	TYP.	TYP.
SPI100-40-R22M-A	0.22±20%	0.8	1	60	35
SPI100-40-R36M-A	0.36±20%	1	1.2	45	30
SPI100-40-R47M-A	0.47±20%	1.4	1.7	40	30
SPI100-40-R68M-A	0.68±20%	2	2.4	30	23
SPI100-40-R80M-A	0.80±20%	2.2	2.7	29	23
SPI100-40-1R0M-A	1.0±20%	2.7	3.3	28	19
SPI100-40-1R5M-A	1.5±20%	3.5	4.2	24	16
SPI100-40-2R2M-A	2.2±20%	5.8	7	16.5	12
SPI100-40-3R3M-A	3.3±20%	9.8	11.8	16	11
SPI100-40-4R7M-A	4.7±20%	16.6	20	13	9
SPI100-40-6R8M-A	6.8±20%	20.8	25	12	8.5
SPI100-40-8R2M-A	8.2±20%	22.5	27	9	8
SPI100-40-100M-A	10.0±20%	25	30	8.5	7.8
SPI100-40-150M-A	15.0±20%	37.5	45	7	6.5
SPI100-40-220M-A	22.0±20%	55	66	5.5	5
SPI100-40-330M-A	33.0±20%	76.6	92	4.8	4.4
SPI100-40-470M-A	47.0±20%	120.8	145	3.5	3.3
SPI100-40-680M-A	68.0±20%	162.5	195	3	2.5
SPI100-40-820M-A	82.0±20%	237.5	285	2.8	2.3
SPI100-40-101M-A	100.0±20%	283.3	340	2.3	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)

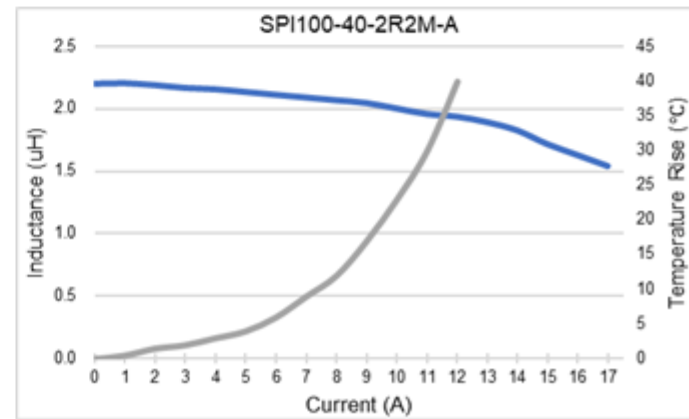
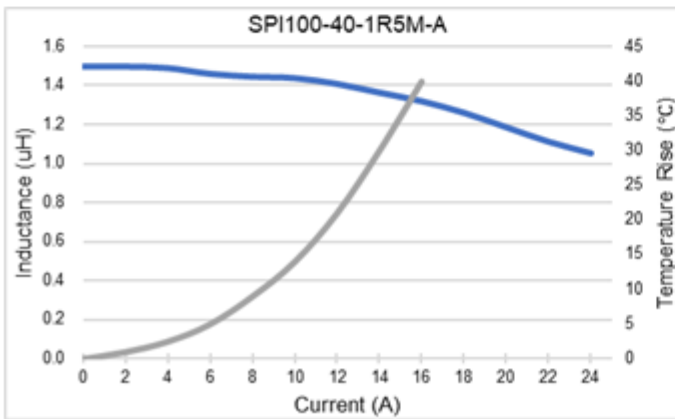
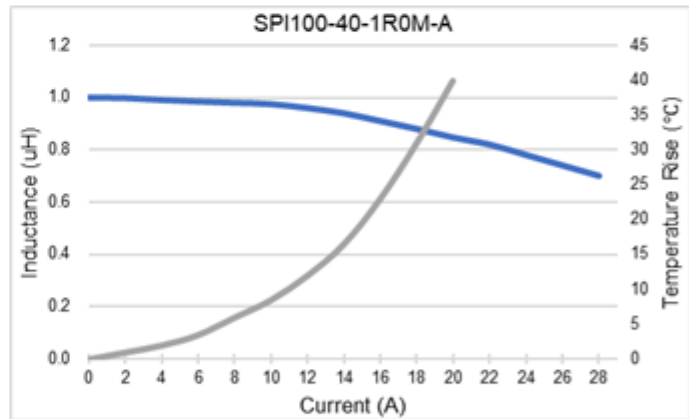
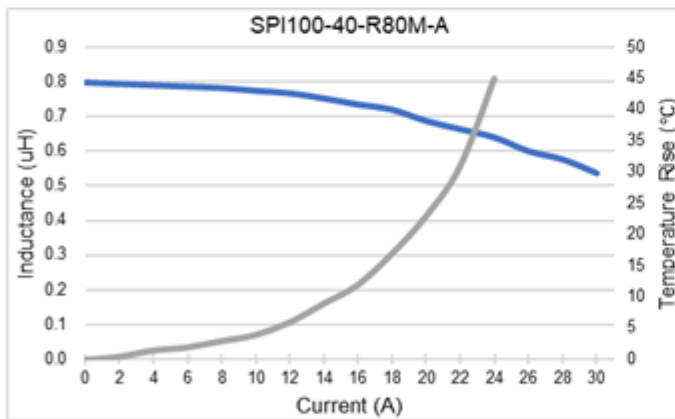
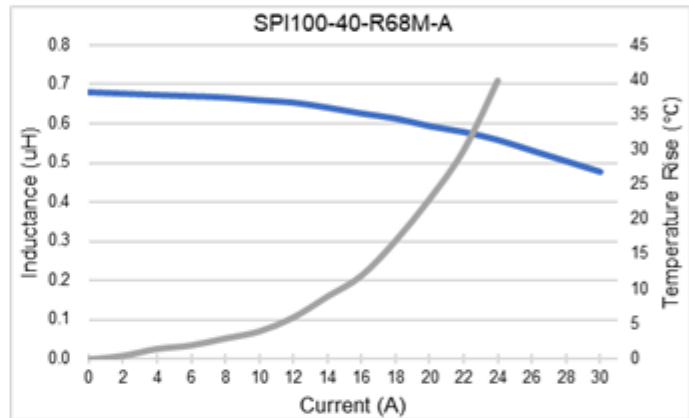
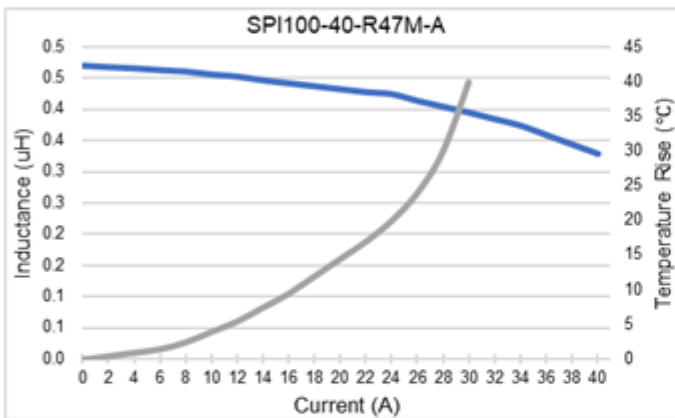
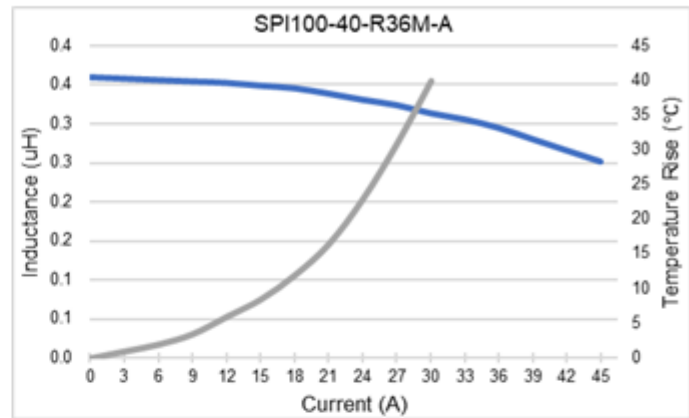
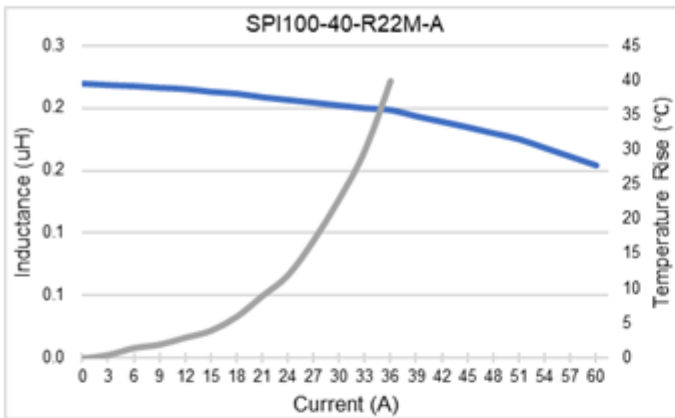
- * Reel : 600
- * Box : 2,400



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Performance Graph

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

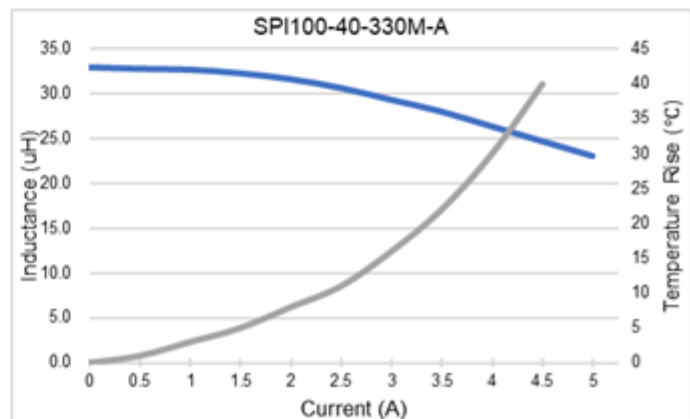
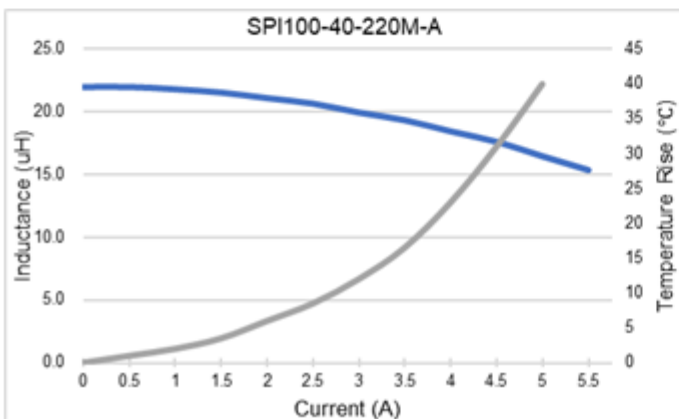
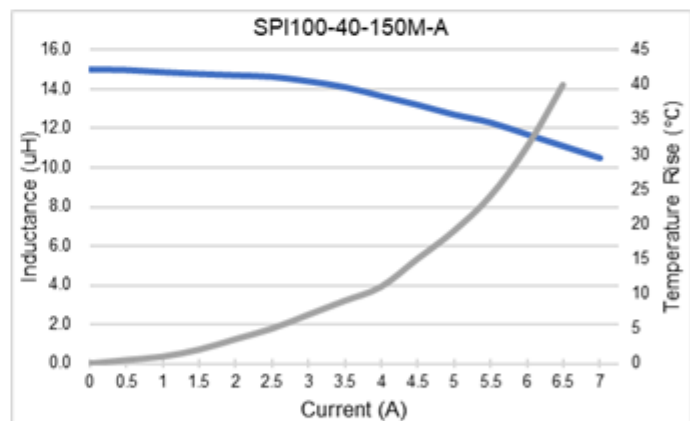
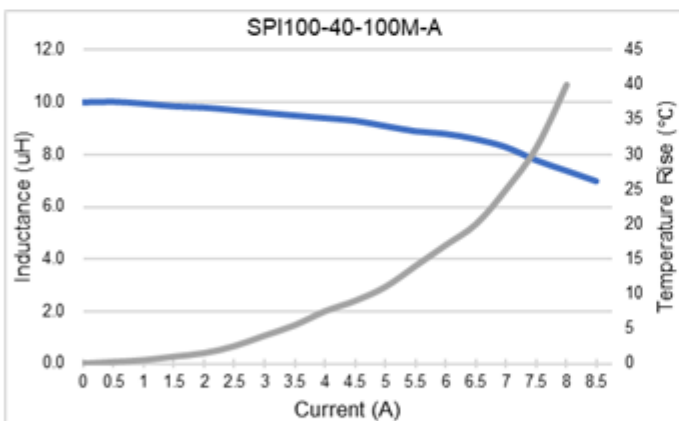
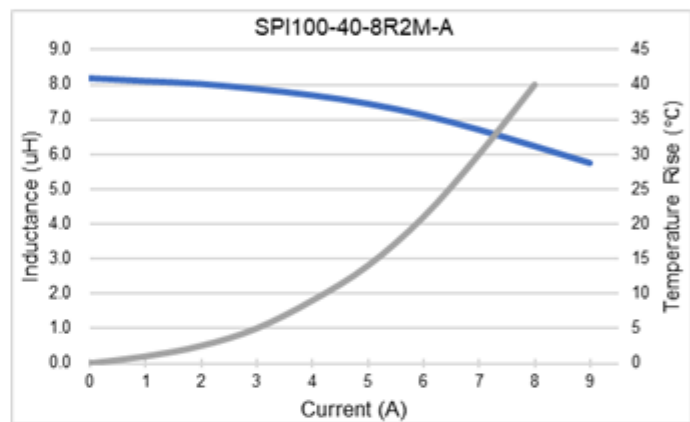
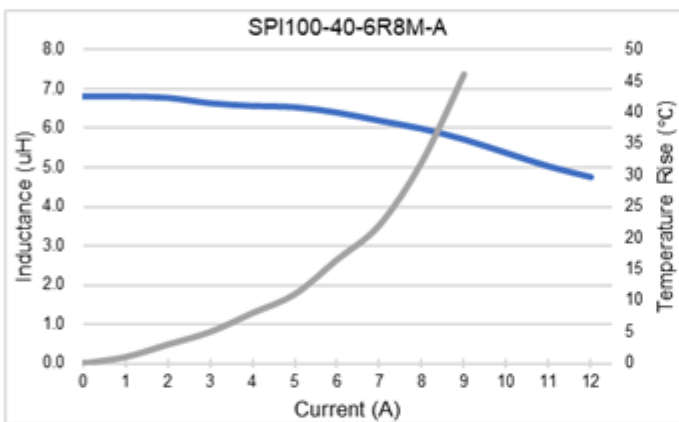
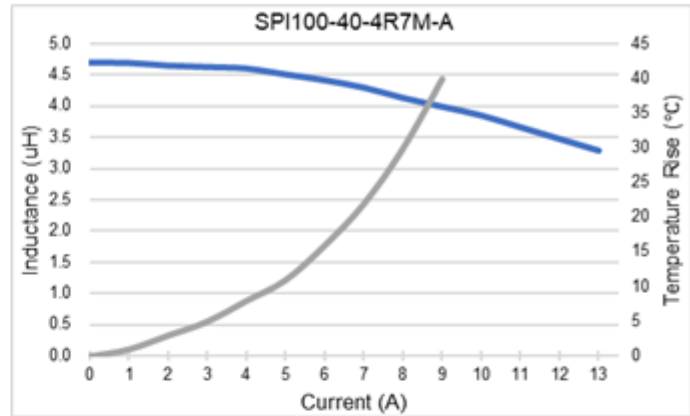
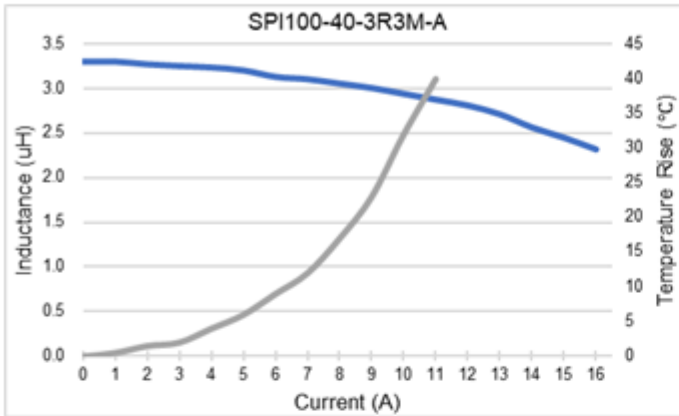




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