



SPIF040-20-SERIES-A



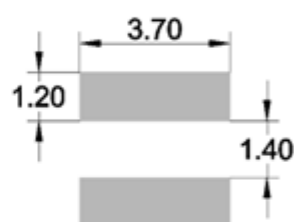
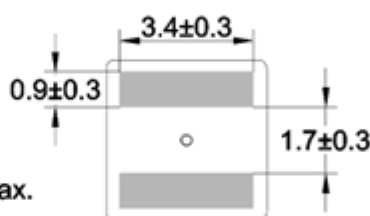
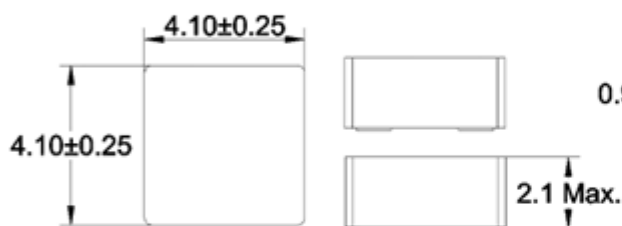
Applications

- 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

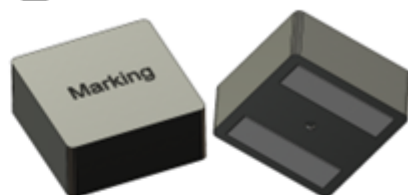
Environmental data

- 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.
SPIF040-20-R10M-A	0.10±20%	2	2.4	38	18
SPIF040-20-R22M-A	0.22±20%	3.8	4.6	19.5	16.8
SPIF040-20-R36M-A	0.36±20%	5.2	6.3	17	14.5
SPIF040-20-R40M-A	0.40±20%	6.4	7.7	15.5	14
SPIF040-20-R47M-A	0.47±20%	7.2	8.6	14.5	12.5
SPIF040-20-R56M-A	0.56±20%	7.7	9.3	14	12
SPIF040-20-R60M-A	0.60±20%	7.9	9.5	13.7	11.7
SPIF040-20-R72M-A	0.72±20%	9.6	11.6	12	10.5
SPIF040-20-1R0M-A	1.0±20%	12.1	14.6	9.6	9.6
SPIF040-20-1R2M-A	1.2±20%	14.9	17.9	9	9
SPIF040-20-1R5M-A	1.5±20%	19.6	23.5	8	7.6
SPIF040-20-1R8M-A	1.8±20%	23.3	28	7.5	7
SPIF040-20-2R2M-A	2.2±20%	32.2	38.7	6.5	5.6

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)

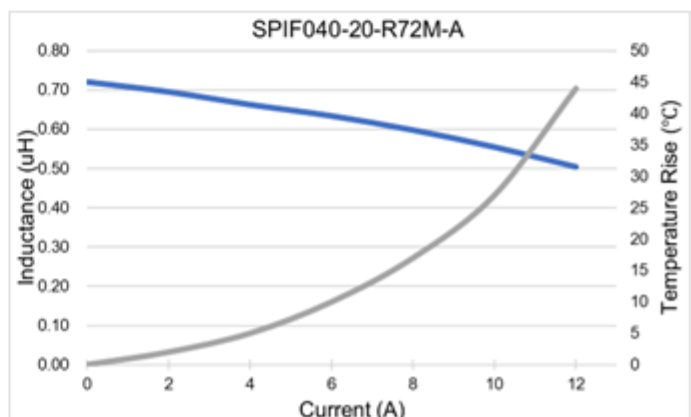
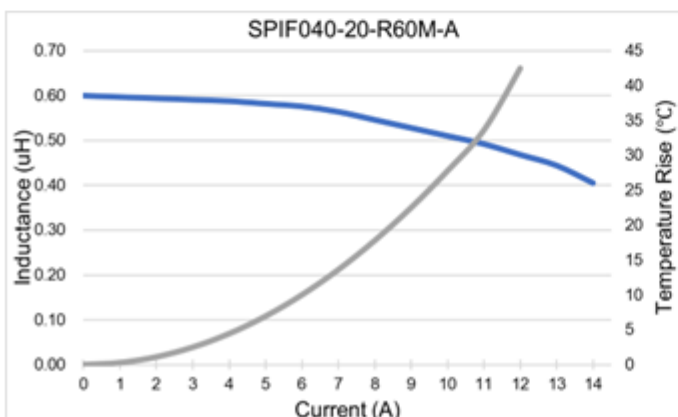
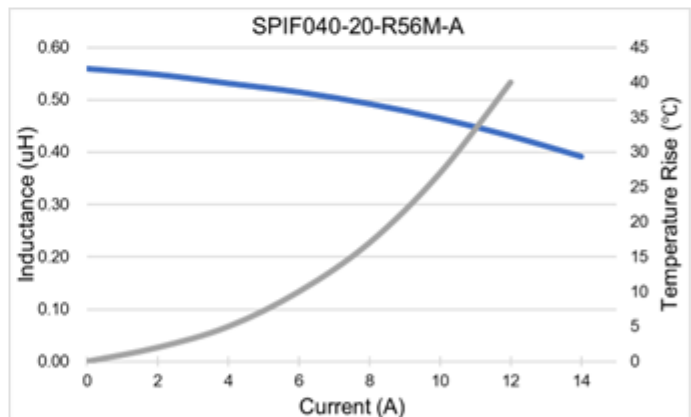
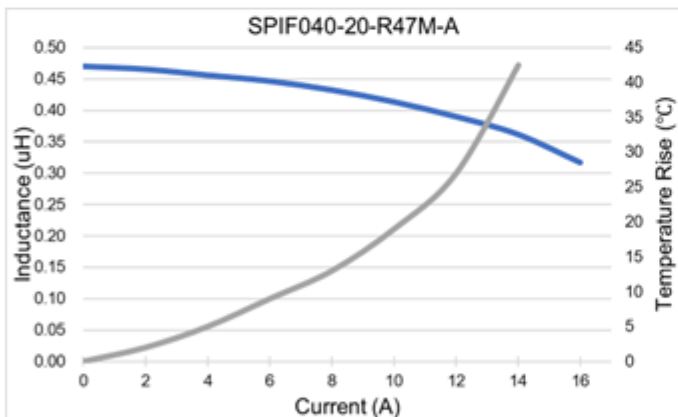
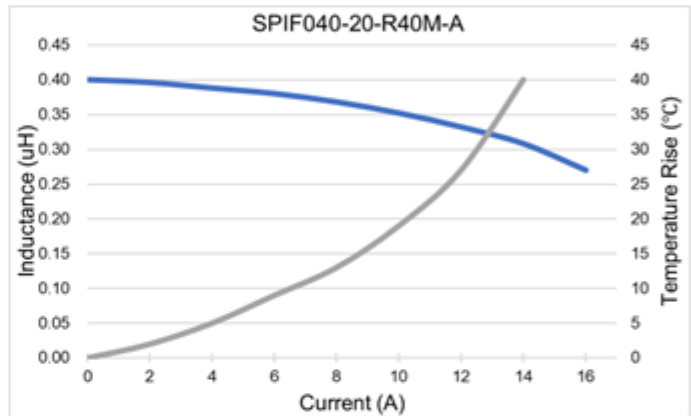
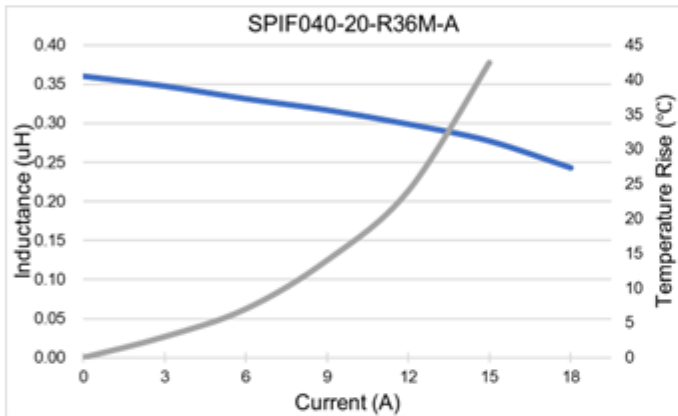
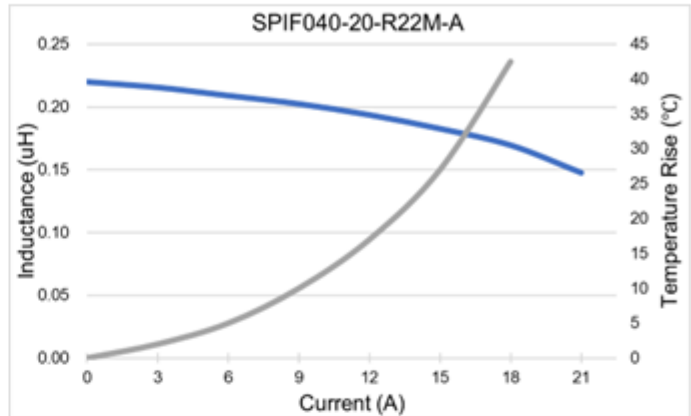
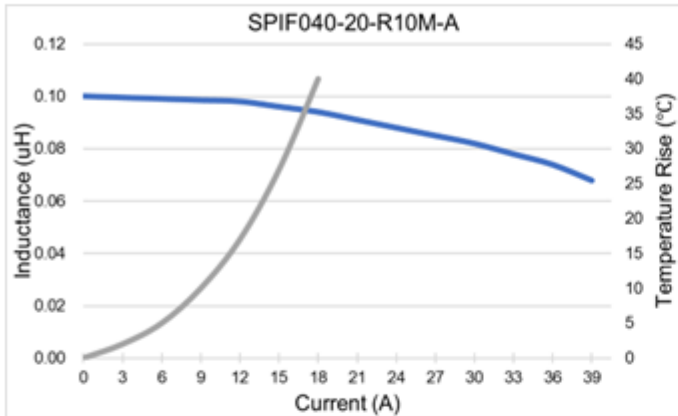
- * Reel : 3,000
- * Box : 15,000



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Performance Graph

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





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Performance Graph

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

