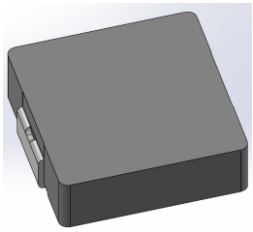
SPI050-18-SERIES-A

AEC-Q200(G-0) Pb-Free HALOGEN FREE

■ 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

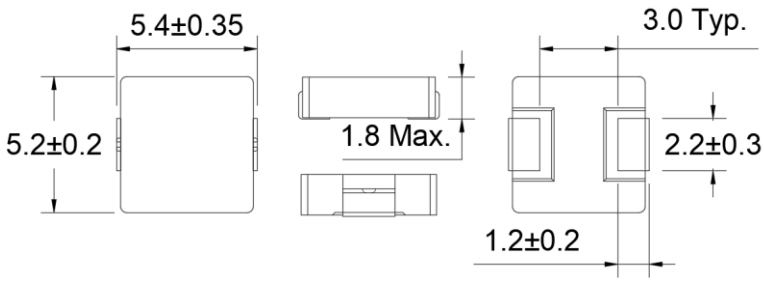
■ Picture



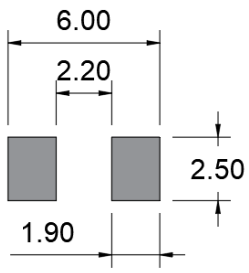
■ Environmental data

- Operating temperature range : -55°C ~ +155°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(uH) 100kHz, 1V, 0A	DCR (mΩ)		Saturation Current DC(A) a)	Heating Rating Current DC(A) b)
		TYP.	MAX.	TYP.	TYP.
SPI050-18-R47M-A	0.47±20%	7.5	9	15.5	10.5
SPI050-18-R56M-A	0.56±20%	8.3	10	15	9.5
SPI050-18-R68M-A	0.68±20%	11.5	13.8	11.2	8.9
SPI050-18-1R0M-A	1.0±20%	14.1	17	9	8
SPI050-18-1R5M-A	1.5±20%	21.6	26	8	7.5
SPI050-18-2R2M-A	2.2±20%	29.1	35	6.5	5
SPI050-18-3R3M-A	3.3±20%	48.3	58	5	4.5
SPI050-18-4R7M-A	4.7±20%	70.8	85	4	3.5
SPI050-18-6R8M-A	6.8±20%	100	120	3.4	2.8
SPI050-18-100M-A	10.0±20%	129.1	155	3	2.5

■ Notes

* All test data is referenced to 25 °C ambient

a) DC current (A) that will cause L0 to drop approximately 30 %

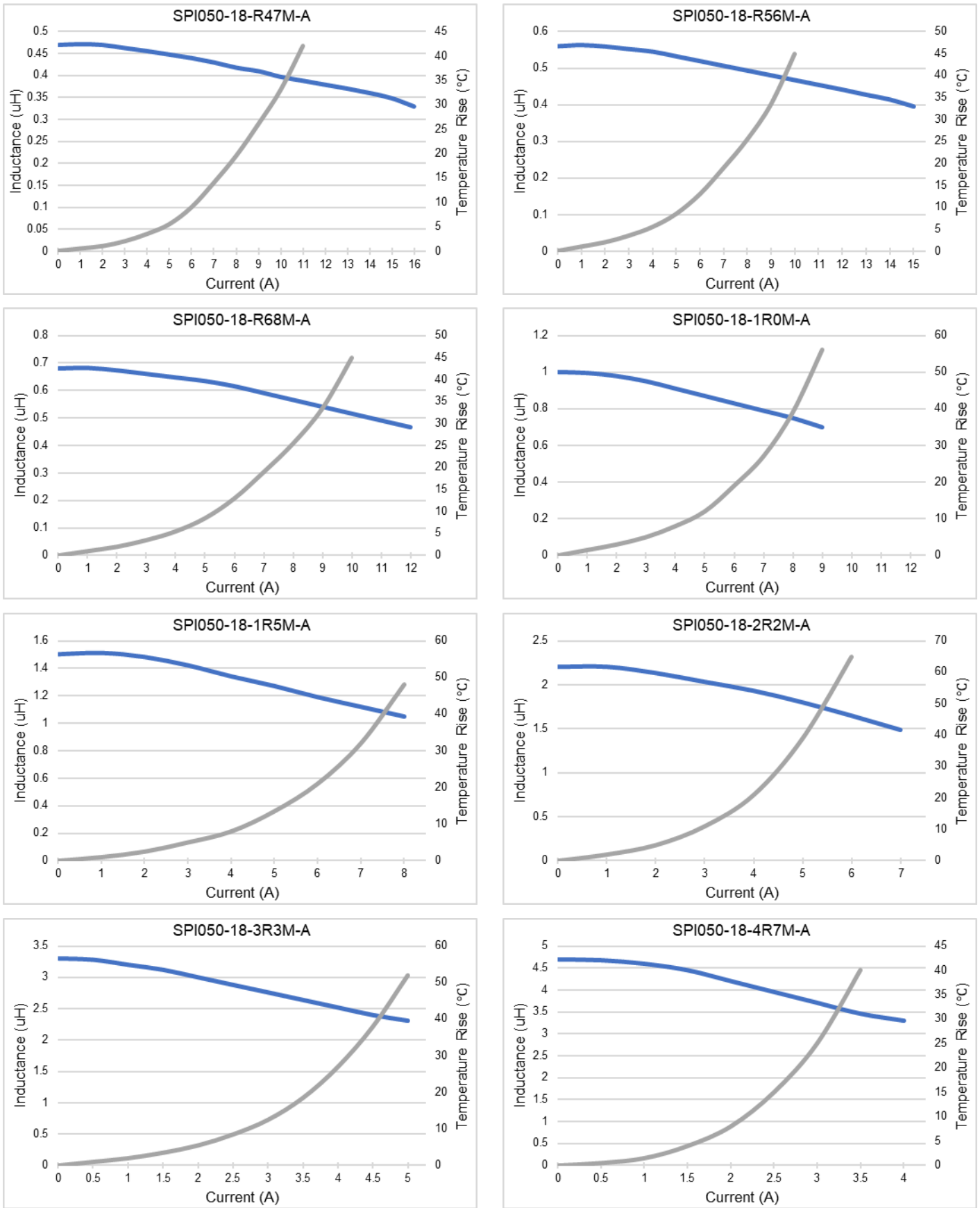
b) DC current (A) that will cause an approximate ΔT of 40 °C

■ Packing Q'ty (PCS)

* Reel : 2,000
* Box : 10,000

SPI050-18-SERIES-A

■ Performance Graph



SPI050-18-SERIES-A

■ Performance Graph

