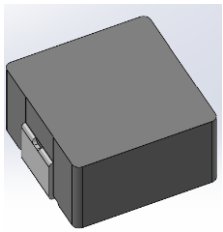
SPI050-30-SERIES-A

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

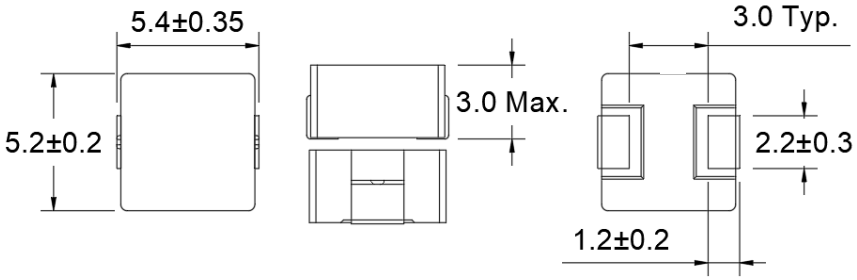
■ Picture



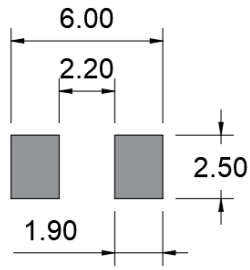
■ Environmental data

- 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.
SPI050-30-R10M-A	0.10±20%	2.5	3	30	25
SPI050-30-R20M-A	0.20±20%	3.2	3.9	20	14
SPI050-30-R33M-A	0.33±20%	4.5	5.5	18	14
SPI050-30-R47M-A	0.47±20%	7	8.5	15	11
SPI050-30-R68M-A	0.68±20%	10	12	11.5	9
SPI050-30-1R0M-A	1.0±20%	11.6	14	10	8.5
SPI050-30-1R2M-A	1.2±20%	13.3	16	9.5	8.5
SPI050-30-1R5M-A	1.5±20%	20.8	25	9	8.2
SPI050-30-2R2M-A	2.2±20%	24.1	29	7	7
SPI050-30-3R3M-A	3.3±20%	31.6	38	6	5.5
SPI050-30-4R7M-A	4.7±20%	50	60	4.6	4.5
SPI050-30-6R8M-A	6.8±20%	75	90	3.6	3.5
SPI050-30-100M-A	10.0±20%	104.1	125	3.5	3.2
SPI050-30-220M-A	22.0±20%	206.6	248	2.3	1.7

■ Notes

* All test data is referenced to 25 °C ambient

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

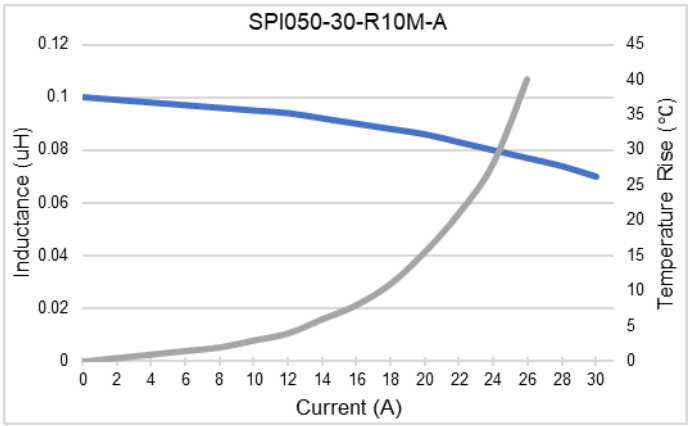
b) DC current (A) that will cause an approximate ΔT of 40 °C

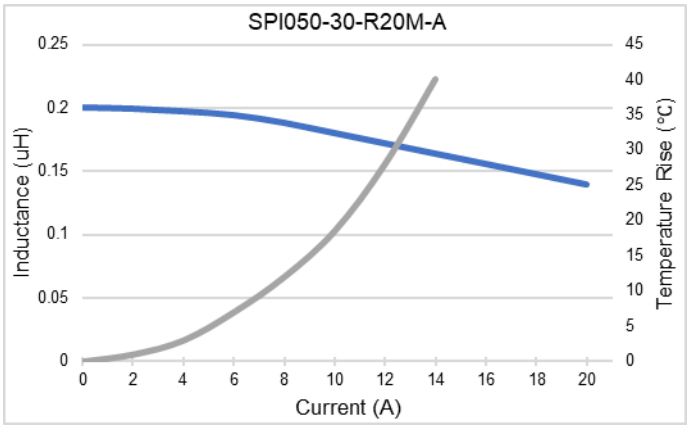
■ Packing Q'ty (PCS)

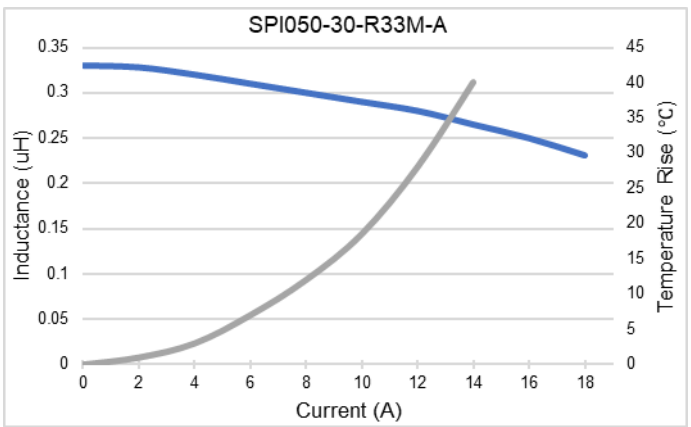
* Reel : 2,000
* Box : 10,000

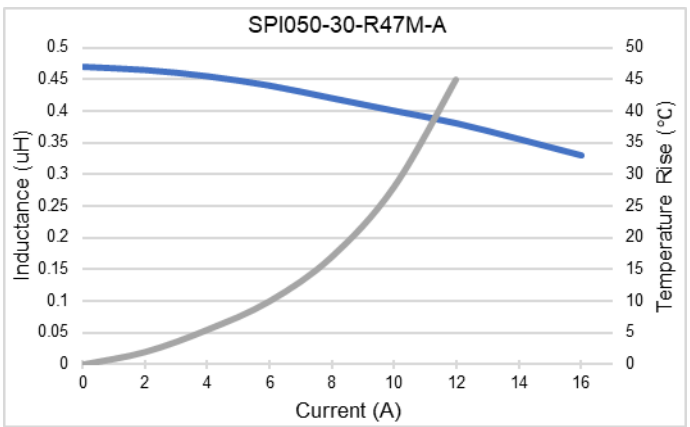
SPI050-30-SERIES-A

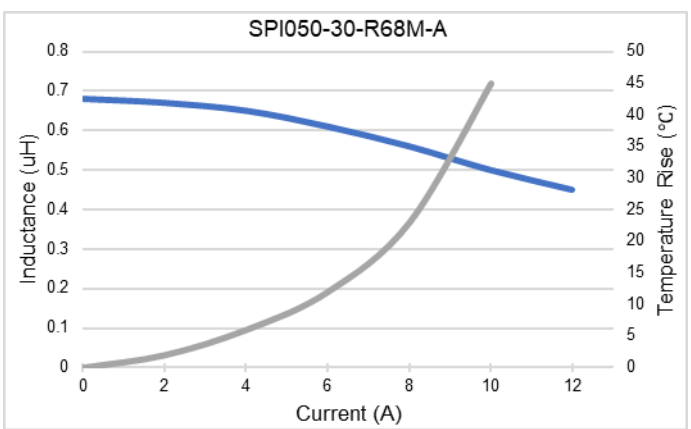
■ Performance Graph

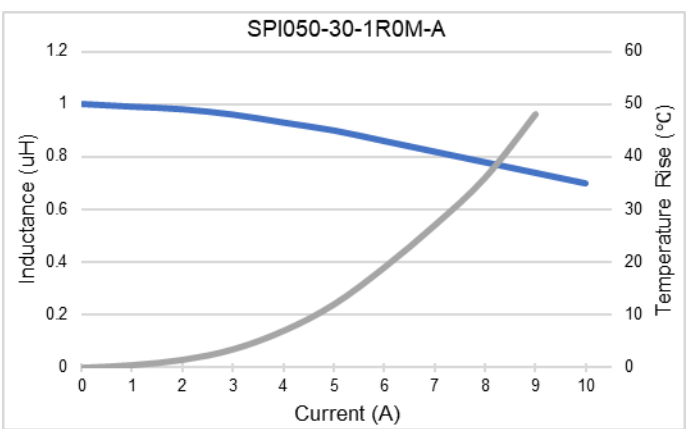


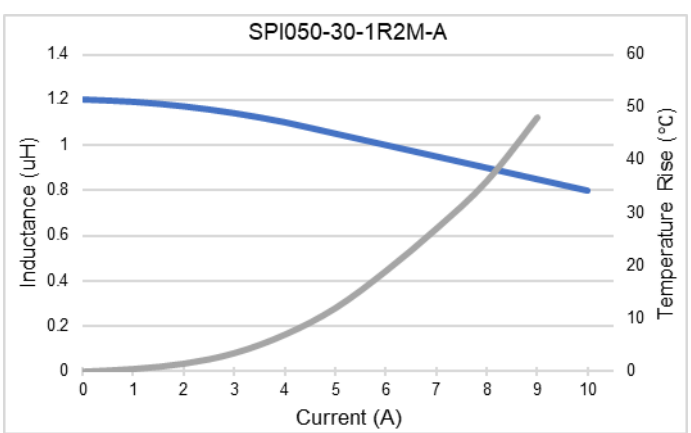


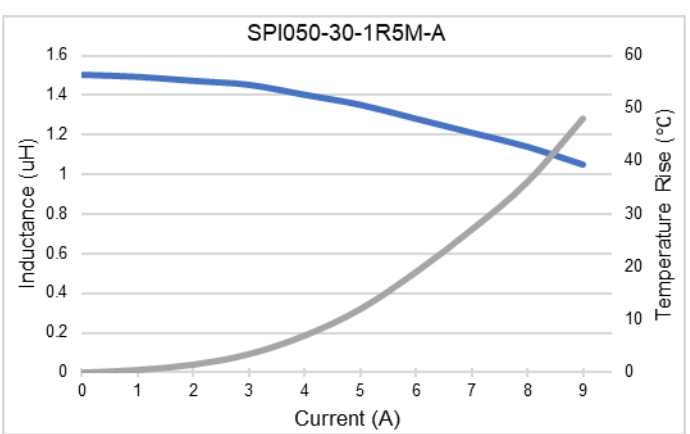












SPI050-30-SERIES-A

■ Performance Graph

Inductance (uH)
Temperature Rise (℃)

