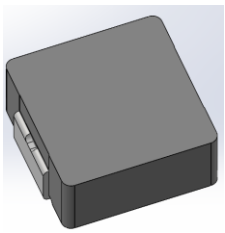
SPI040-20-SERIES-A

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

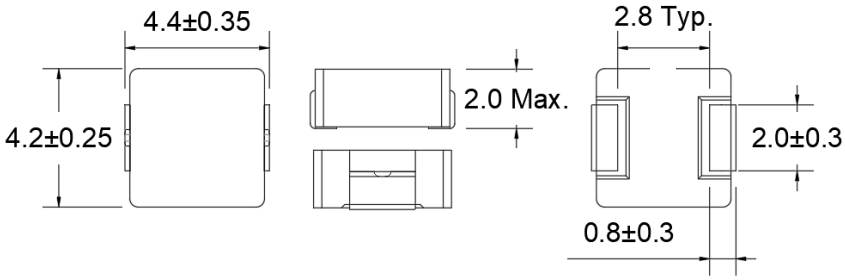
■ Picture



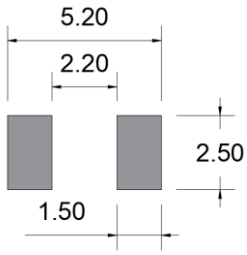
■ Environmental data

- 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.
SPI040-20-R10M-A	0.10±20%	3.3	4	22	13
SPI040-20-R22M-A	0.22±20%	5.5	6.6	12.5	9.5
SPI040-20-R33M-A	0.33±20%	9.1	11	12	10
SPI040-20-R47M-A	0.47±20%	11.6	14	9.5	7.5
SPI040-20-R56M-A	0.56±20%	13.3	16	9	7
SPI040-20-R68M-A	0.68±20%	15	18	8	7
SPI040-20-1R0M-A	1.0±20%	22.5	27	7	6
SPI040-20-1R2M-A	1.2±20%	22.5	27	6.5	6
SPI040-20-1R5M-A	1.5±20%	38.3	46	5.5	5
SPI040-20-2R2M-A	2.2±20%	48.3	58	5	4.5
SPI040-20-3R3M-A	3.3±20%	72.5	87	3.5	3.3
SPI040-20-4R7M-A	4.7±20%	87.5	105	3	2.8
SPI040-20-6R8M-A	6.8±20%	145.8	175	2.5	2.4
SPI040-20-100M-A	10.0±20%	235	282	2	1.6
SPI040-20-150M-A	15.0±20%	340	410	1.8	1.4

■ Notes

* All test data is referenced to 25 °C ambient

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

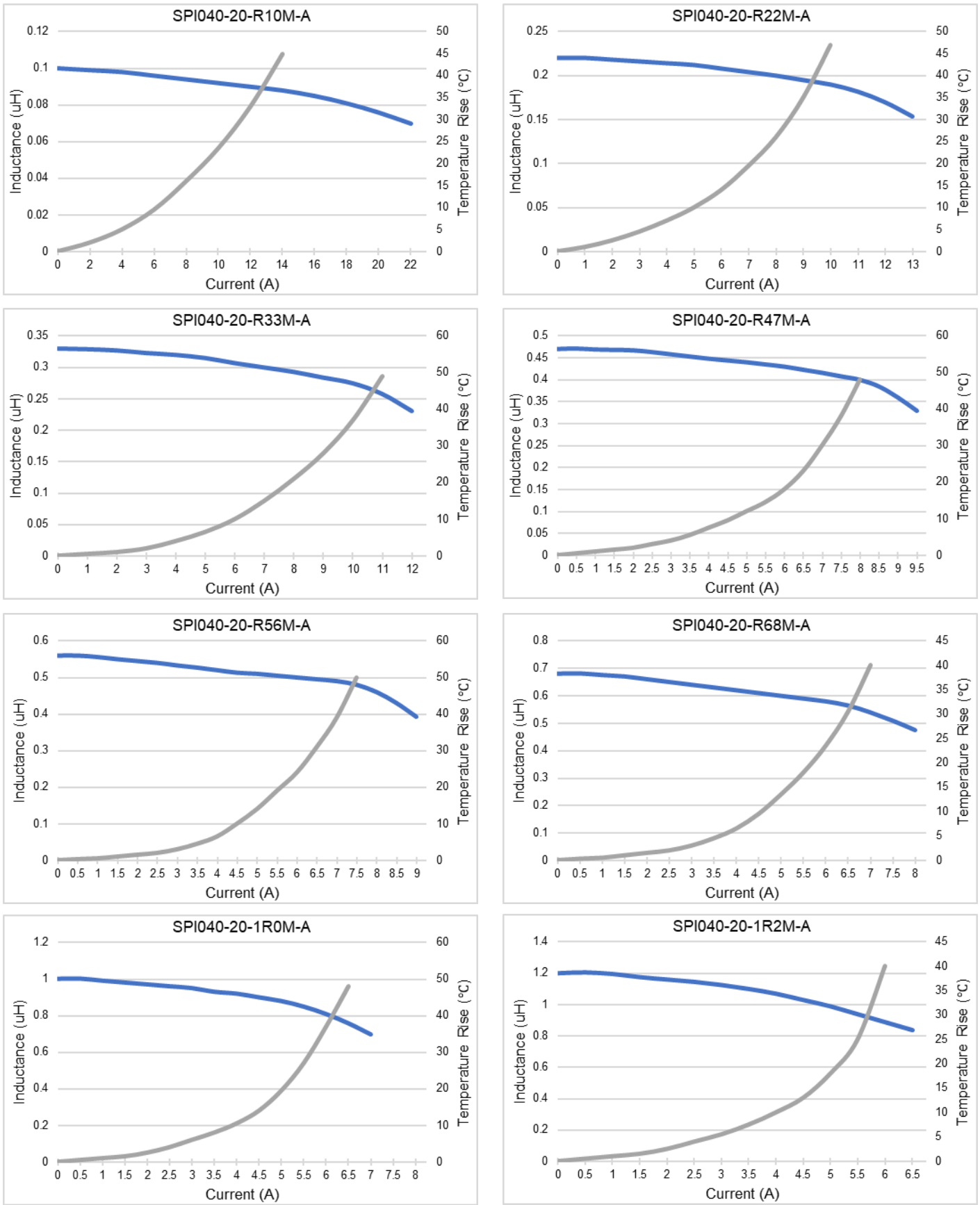
b) DC current (A) that will cause an approximate ΔT of 40 °C

■ Packing Q'ty (PCS)

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

SPI040-20-SERIES-A

■ Performance Graph



SPI040-20-SERIES-A

■ Performance Graph

