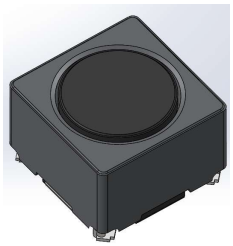
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AEC-Q200(G-0) Pb-Free HALOGEN FREE

■ 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

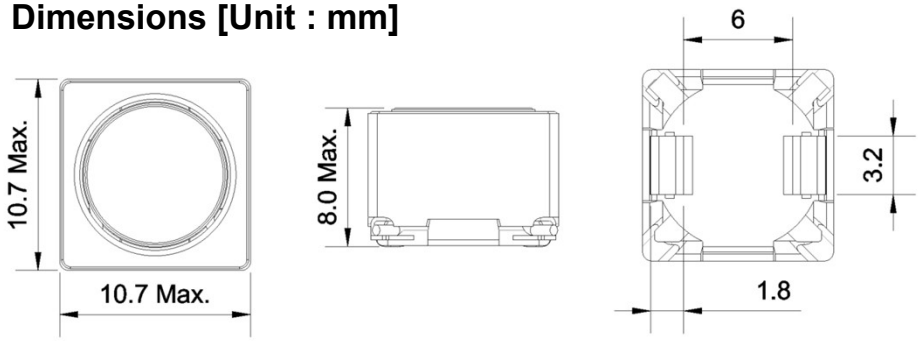
■ Picture



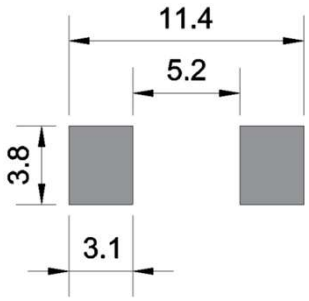
■ Environmental data

- Operating temperature range : -50°C ~ +165°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) 25 °C a)	Saturation Current DC(A) 125 °C b)	Heating Rating Current DC(A) c)
		TYP.	MAX.	TYP.	TYP.	TYP.
BSL1080-1R0N-A	1.0±30%	8.5	10.2.	40	31	11
BSL1080-1R5M-A	1.5±20%	9.9	11.9	34	26	10.3
BSL1080-2R2M-A	2.2±20%	11.3	13.5	29	21.6	9.6
BSL1080-3R3M-A	3.3±20%	12.7	15.2	24	18	8.9
BSL1080-4R7M-A	4.7±20%	15.5	18.6	17.6	13.6	7.9
BSL1080-6R8M-A	6.8±20%	17.0	20.4	15.6	12	7.5
BSL1080-100M-A	10±20%	20.4	24.5	12.9	9.8	6.7
BSL1080-150M-A	15±20%	24.9	29.9	10.8	8.4	6.1
BSL1080-220M-A	22±20%	50.7	60.8	8.1	6.5	3.8
BSL1080-330M-A	33±20%	62.4	74.8	7.1	5.6	3.7
BSL1080-470M-A	47±20%	84.4	101.3	6.2	4.7	3
BSL1080-680M-A	68±20%	122	146	4.8	3.7	2.8
BSL1080-820M-A	82±20%	131	157	4.3	3.3	2.6
BSL1080-101M-A	100±20%	166	199	4.1	3.2	2.3
BSL1080-151M-A	150±20%	285	342	3.4	2.6	1.8
BSL1080-221M-A	220±20%	348	418	2.9	2.1	1.5
BSL1080-331M-A	330±20%	619	742	2.2	1.7	1.1
BSL1080-471M-A	470±20%	760	912	1.9	1.5	1
BSL1080-681M-A	680±20%	933	1,120	1.6	1.2	1
BSL1080-821M-A	820±20%	1,033	1,240	1.5	1.1	0.9
BSL1080-102M-A	1,000±20%	1,620	1,944	1.3	1	0.7

■ 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 L0 to drop approximately 40 %

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

■ Packing Q'ty (PCS)

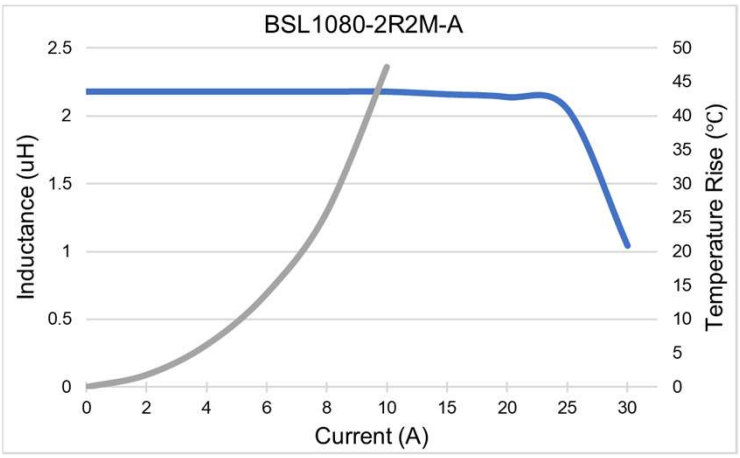
* Reel : 500

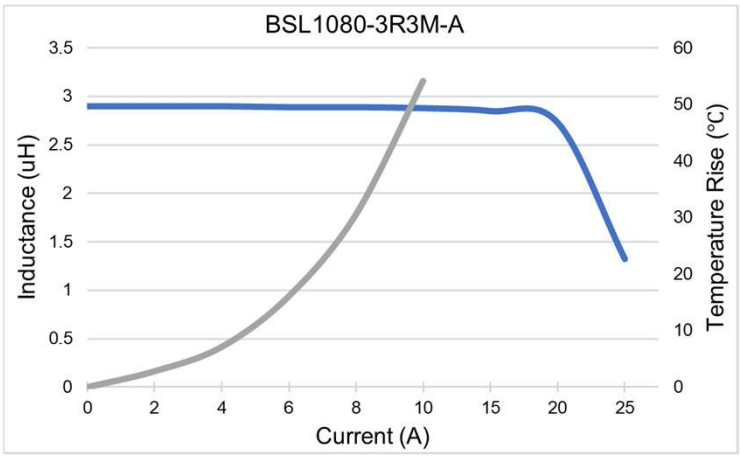
* Box : 2,000

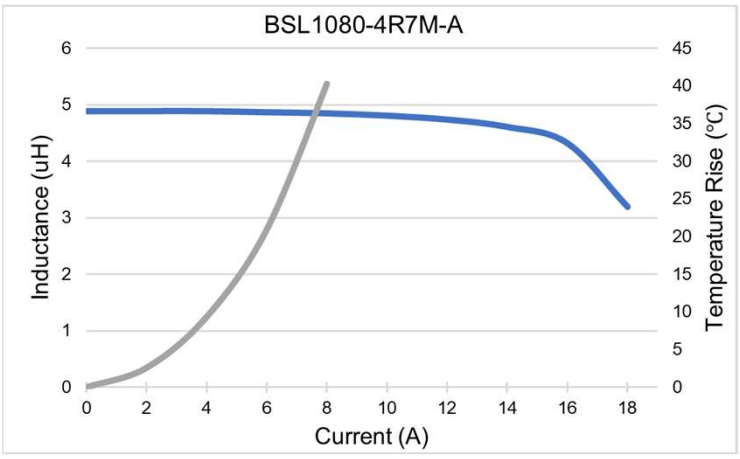
BSL1080-SERIES-A

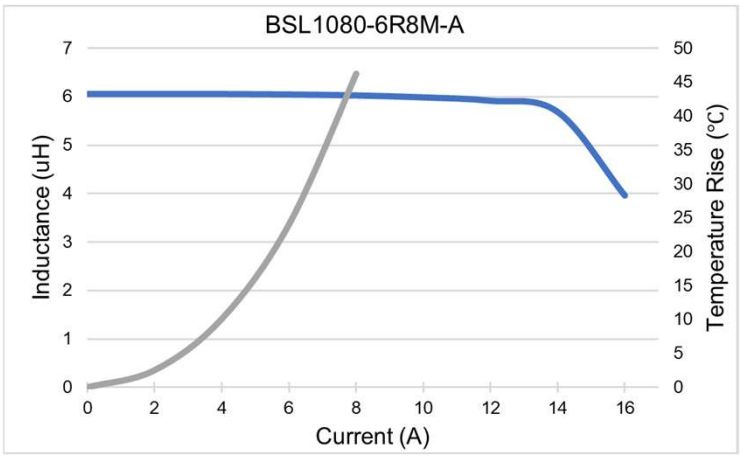
■ Performance Graph

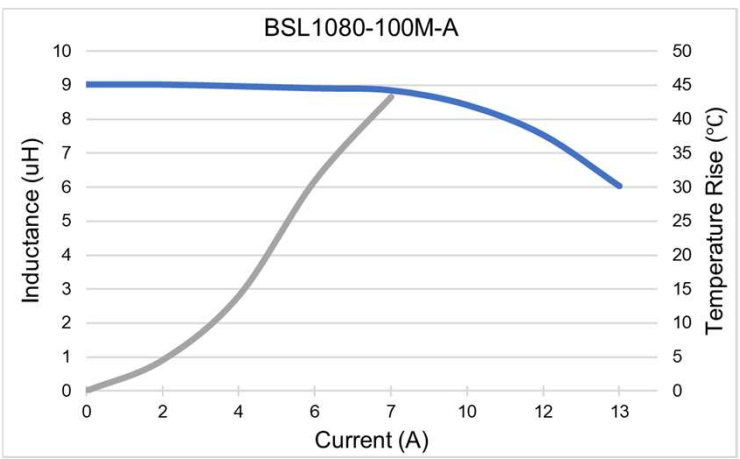


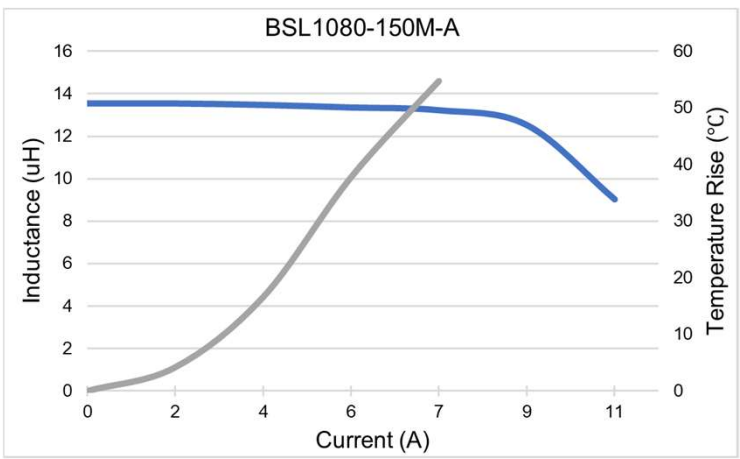


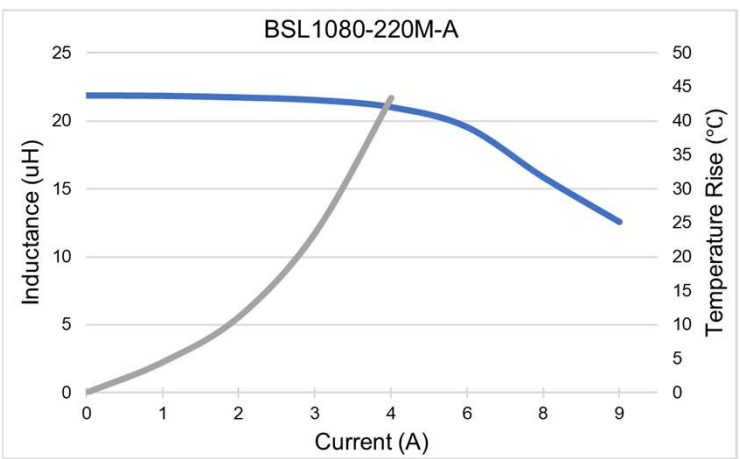


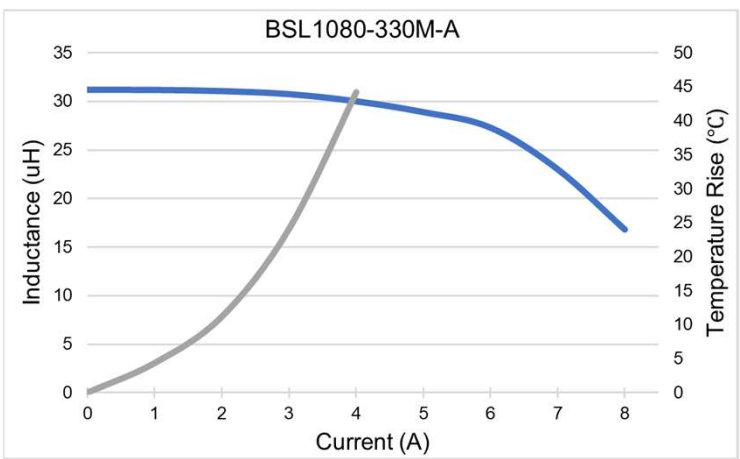








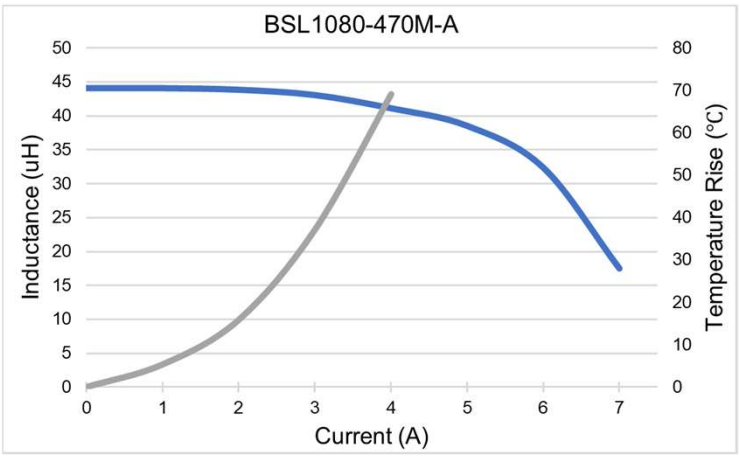


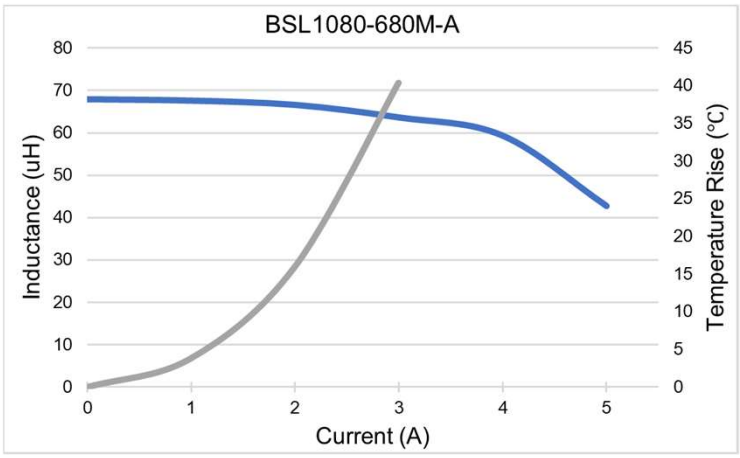


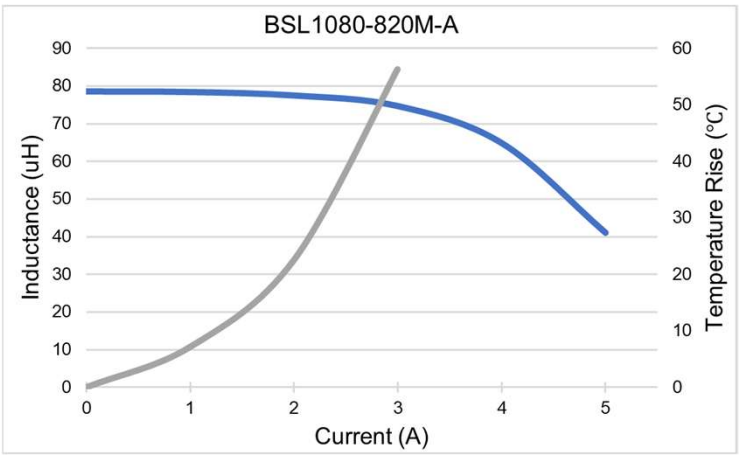
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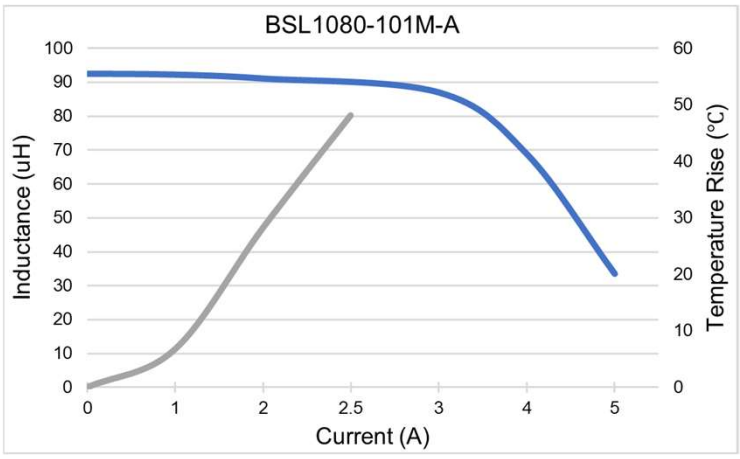
■ Performance Graph

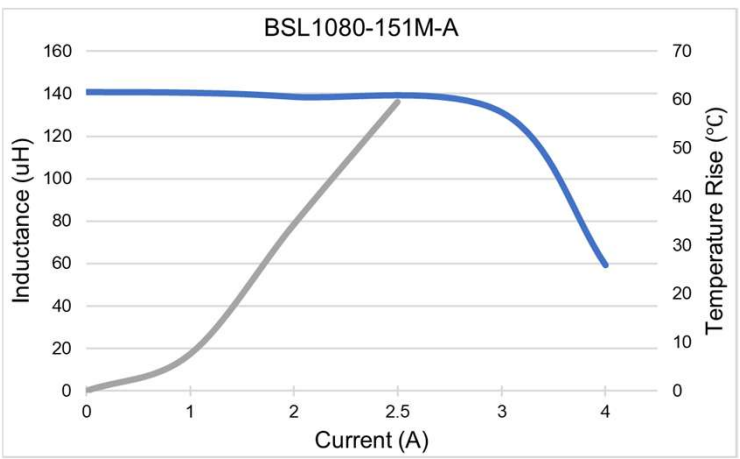


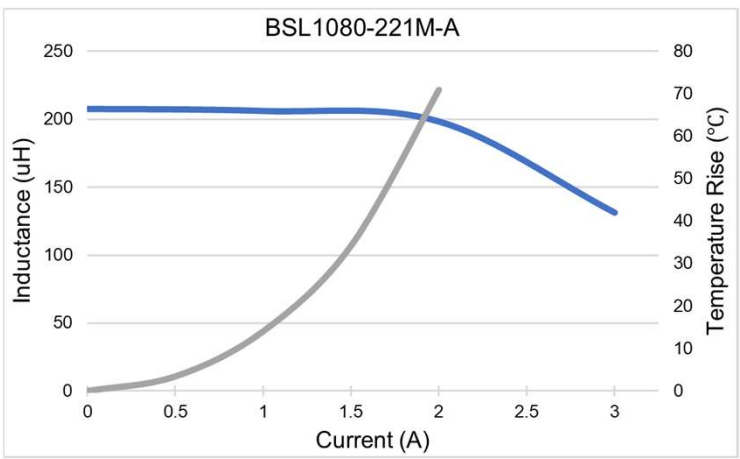


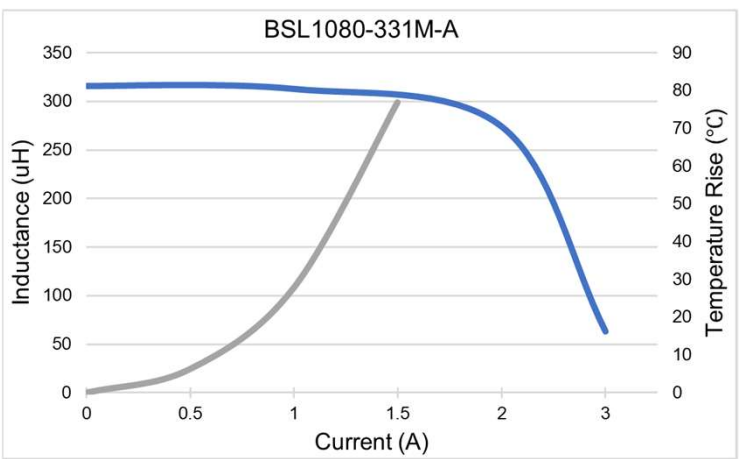


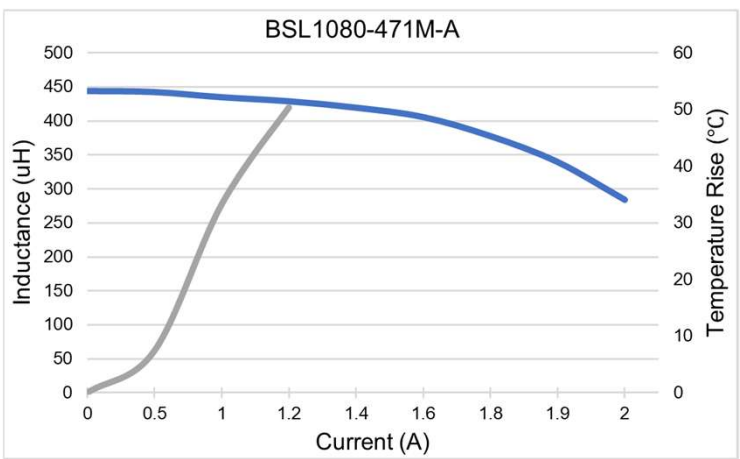












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■ Performance Graph

