



TSL7345-SERIES-A



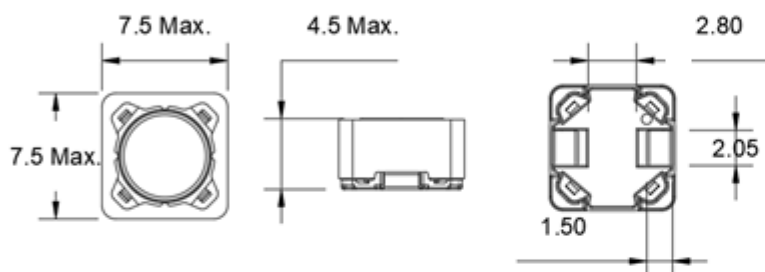
Applications

- 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

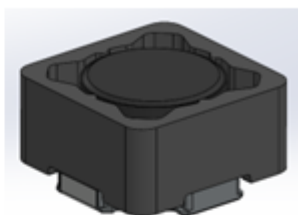
Environmental data

- Operating temperature range : -50°C ~ +165°C(component)
- Storage conditions (packaged) : -25°C ~ +40°C, ≤75% RH
- Complies with AEC-Q200 standard

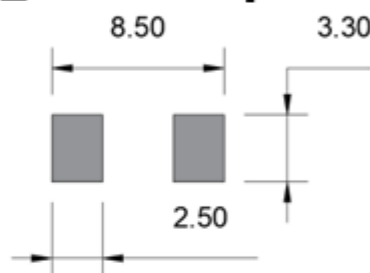
Dimensions [Unit : mm]



Picture



Land Pattern [Unit : mm]



Specifications

Part No.	L0 Inductance (uH) 100kHz, 1V, 0A	DCR (mΩ)		Saturation Current DC(A) 25 °C a)	Saturation Current DC(A) 125 °C b)	Heating Rating Current DC(A) c)
		TYP.	MAX.	TYP.	TYP.	TYP.
TSL7345-3R3M-A	3.3±20%	16.5	20	5.4	4.9	4.1
TSL7345-4R7M-A	4.7±20%	22	28	4.3	4.1	3.4
TSL7345-6R8M-A	6.8±20%	32	38.4	3.7	3.5	2.93
TSL7345-100M-A	10±20%	42	50.4	3.05	2.7	2.57
TSL7345-150M-A	15±20%	73	87.6	2.4	2.2	2.1
TSL7345-220M-A	22±20%	95	114	2	1.8	1.7
TSL7345-330M-A	33±20%	150	180	1.65	1.5	1.38
TSL7345-470M-A	47±20%	218	261.6	1.4	1.3	1.15
TSL7345-680M-A	68±20%	275	330	1.2	1.1	1
TSL7345-101M-A	100±20%	400	480	1	0.85	0.83

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)

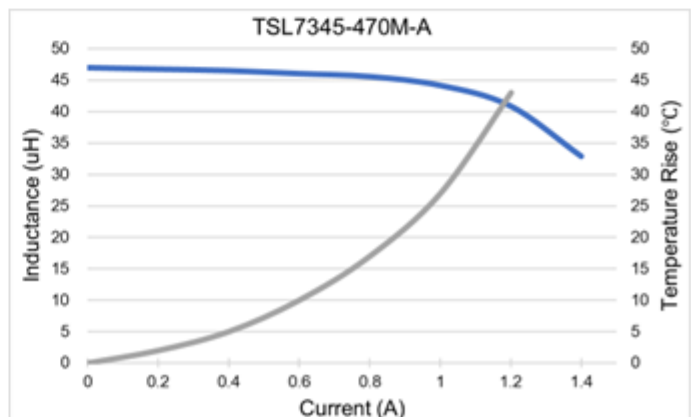
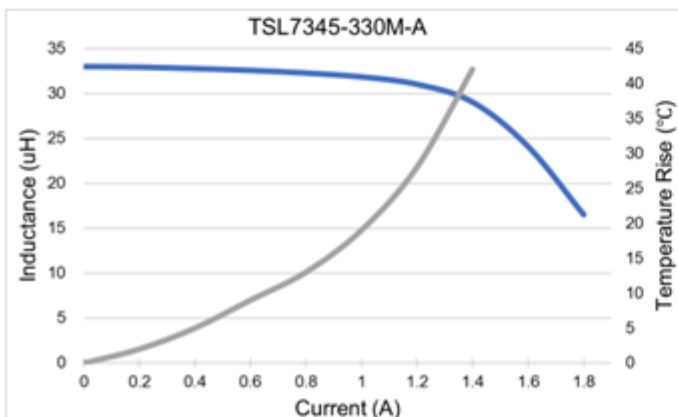
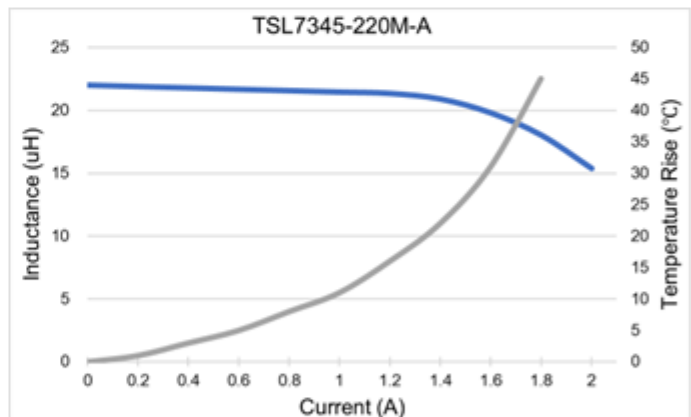
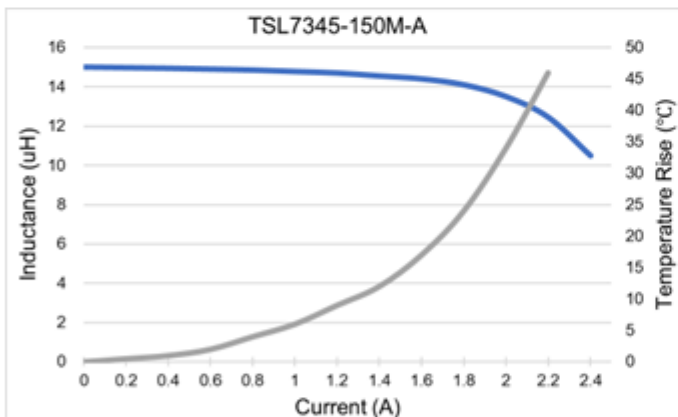
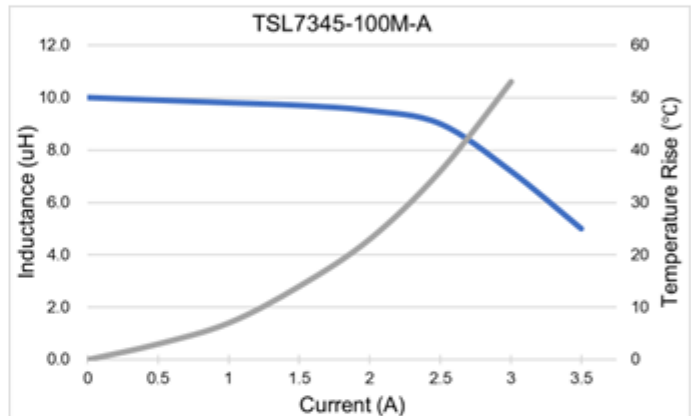
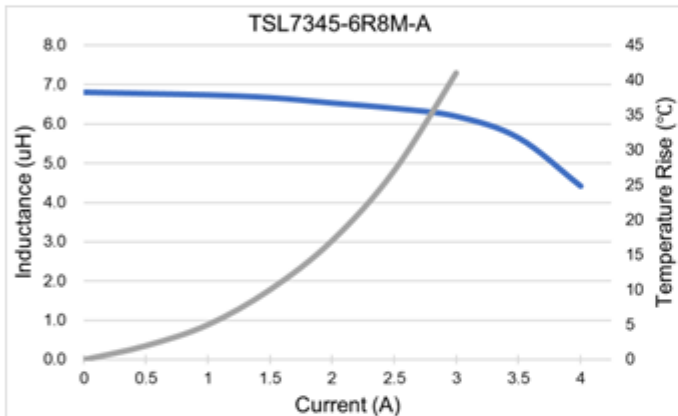
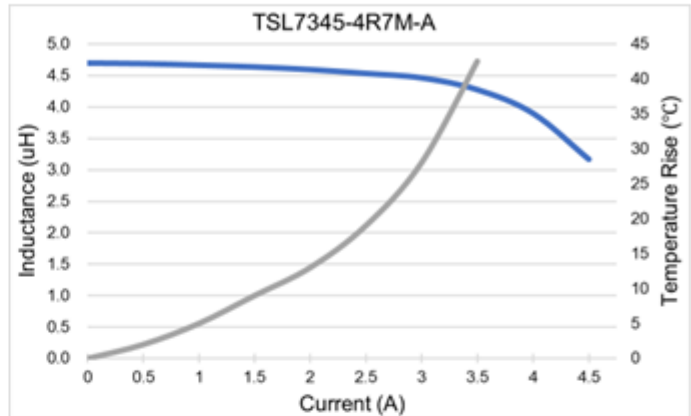
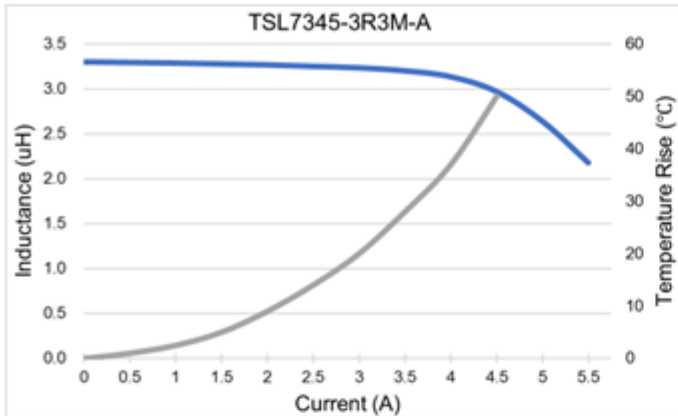
- * Reel : 1,000
- * Box : 5,000



TSL7345-SERIES-A

Performance Graph

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





TSL7345-SERIES-A

■ Performance Graph

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

