

SPI100-54-SERIES-A



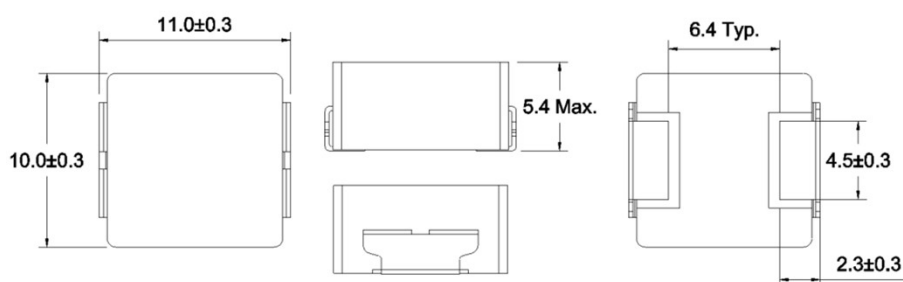
Applications

- 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 : -55°C ~ +155°C(component)
- Storage conditions (packaged) : -25°C ~ +40°C, ≤75% RH
- Complies with AEC-Q200 standard

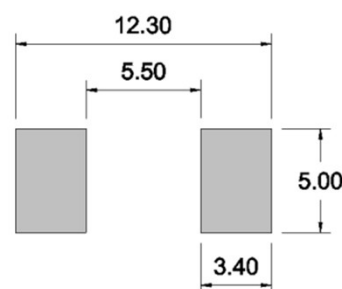
Dimensions [Unit : mm]



Picture



Land Pattern [Unit : mm]



Specifications

Part No.	L0 Inductance(uH) 100kHz, 1V, 0A	DCR (mΩ)		Saturation Current DC(A) a)	Heating Rating Current DC(A) b)
		TYP.	MAX.	TYP.	TYP.
SPI100-54-R68M-A	0.68±20%	1.85	2.22	46	32
SPI100-54-1R0M-A	1.0±20%	2.3	2.76	37	30
SPI100-54-1R2M-A	1.2±20%	3	3.6	29	27
SPI100-54-1R5M-A	1.5±20%	3.6	4.3	28	25
SPI100-54-1R8M-A	1.8±20%	3.9	4.6	26	24
SPI100-54-2R2M-A	2.2±20%	4.1	4.9	25	23
SPI100-54-2R5M-A	2.5±20%	5.7	6.7	24	19.1
SPI100-54-3R3M-A	3.3±20%	6.2	7.2	20	18.7
SPI100-54-4R7M-A	4.7±20%	9	10	17	14.5
SPI100-54-5R6M-A	5.6±20%	10.2	11.7	16.2	13.2
SPI100-54-6R8M-A	6.8±20%	12.4	14	15.3	12.3
SPI100-54-8R2M-A	8.2±20%	17.8	20.5	14	10.3
SPI100-54-100M-A	10±20%	20	23	13	9
SPI100-54-120M-A	12±20%	23	26.4	9.8	8.3
SPI100-54-150M-A	15±20%	26.3	30.3	9.2	7.6
SPI100-54-180M-A	18±20%	33	38	9	7
SPI100-54-220M-A	22±20%	43	49.5	8.4	6
SPI100-54-330M-A	33±20%	66	75.3	7.6	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 : 500
- * Box : 2,000