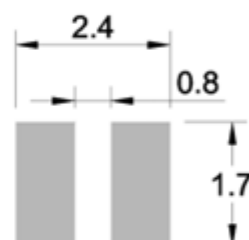


**MMPI201610-SERIES-A****Applications**

- 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 : -40°C ~ +125°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) 1MHz, 1V, 0A	DCR (mΩ)		Saturation Current DC(A) a)		Heating Rating Current DC(A) b)	
		TYP.	MAX.	TYP.	MAX.	TYP.	MAX.
MMPI201610-R24M-A	0.24±20%	14.5	20	7.6	6.8	5.4	4.8
MMPI201610-R33M-A	0.33±20%	18.5	23	6.8	6	5	4.6
MMPI201610-R47M-A	0.47±20%	21	28	5.6	5.2	4.8	4.4
MMPI201610-1R0M-A	1.0±20%	42	48	4.6	4	3.8	3.2
MMPI201610-2R2M-A	2.2±20%	116	140	3.5	2.9	2.3	2
MMPI201610-4R7M-A	4.7±20%	215	240	1.9	1.6	1.5	1.3

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



MMPI201610-SERIES-A

■ Performance Graph

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

