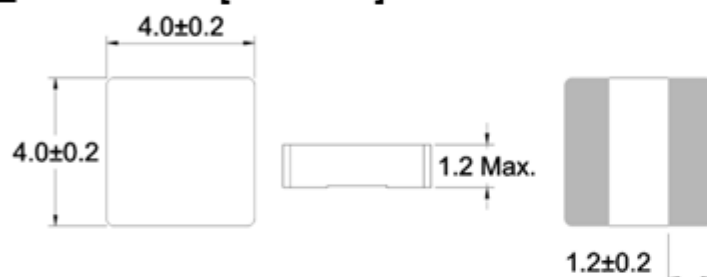
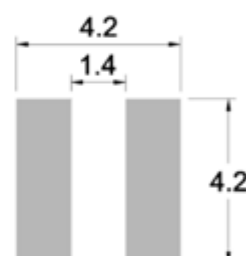


**MMPI4012-SERIES-A****Applications**

- 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.
MMPI4012-1R0M-A	1.0±20%	25	32	7	6.2	5	4.3
MMPI4012-2R2M-A	2.2±20%	48	58	4.8	4.3	3.6	3.2
MMPI4012-3R3M-A	3.3±20%	56	67	4.5	4.1	3.2	2.8
MMPI4012-4R7M-A	4.7±20%	86	100	3.5	3	2.7	2.4
MMPI4012-6R8M-A	6.8±20%	120	150	3.5	3	2.2	1.9

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 : 4,000



MMPI4012-SERIES-A

■ Performance Graph

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

