



## MMPI252012-SERIES-A

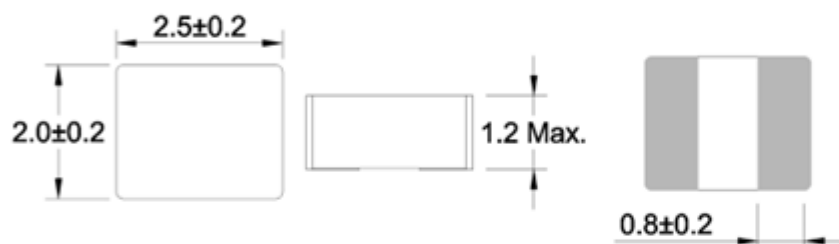
### Applications

- 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

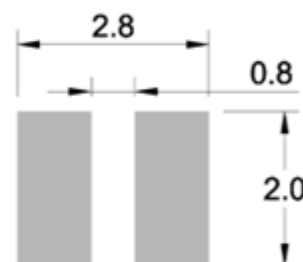
### Dimensions [Unit : mm]



### Picture



### Land Pattern [Unit : mm]



### Specifications

Part No.	L0 Inductance(μH) 1MHz, 1V, 0A	DCR (mΩ)		Saturation Current DC(A) a)		Heating Rating Current DC(A) b)	
		TYP.	MAX.	TYP.	MAX.	TYP.	MAX.
MMPI252012-R47M-A	0.47±20%	14	17	6.4	5.9	5.4	4.9
MMPI252012-R68M-A	0.68±20%	17	22	6.2	5.6	5.4	4.7
MMPI252012-1R0M-A	1.0±20%	24	30	5.5	4.9	4.8	4.3
MMPI252012-1R5M-A	1.5±20%	40	52	4.5	4.1	3.6	3.2
MMPI252012-2R2M-A	2.2±20%	55	66	3.8	3.3	2.5	2.2
MMPI252012-4R7M-A	4.7±20%	160	190	2.6	2.2	2	1.7

### 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 an approximate ΔT of 40 °C

### Packing Q'ty (PCS)

\* Reel : 3,000



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### Performance Graph

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

