

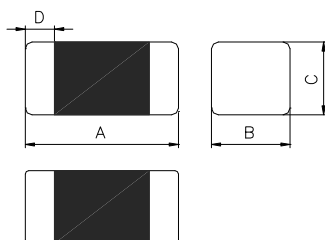
## 1. Features

- 1.Low DC resistance structure of electrode to prevent wasteful electric power consumption.
- 2.Suitable for reflow soldering.
- 3.Excellent solder ability and heat resistance.
- 4.100% Lead(Pb) & Halogen-Free and RoHS compliant.
- 5.Operating Temperature:-55~+105°C (Including self-temperature rise)



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## 2. Dimensions



Chip Size				
Series	A(mm)	B(mm)	C(mm)	D(mm)
201210	2.00±0.20	1.25±0.20	1.00 max.	0.50±0.30

## 3. Part Numbering

**MPI** **201210** **M** **F** - **1R0** **M** - **1A4**

A B C D E F G

A: Series  
B: Dimension  
C: Category Code  
D: Material  
E: Inductance  
F: Inductance Tolerance  
G: Rated Current

Lead Free Material  
1R0=1.00uH  
M=±20%

## 4. Specification

Tai-Tech Part Number	Inductance(uH)	Test Frequency (Hz)	Rated Current (mA) max.	DCR (Ω)	
				max.	typ.
MPI201210MF-1R0M-1A4	1.00±20%	1M / 60mV	1400	0.19	0.15
MPI201210MF-1R5M-1A3	1.50±20%	1M / 60mV	1300	0.20	0.16
MPI201210MF-2R2M-1A2	2.20±20%	1M / 60mV	1200	0.26	0.20
MPI201210MF-4R7M-1A0	4.70±20%	1M / 60mV	1000	0.32	0.25

- Irms:DC current that causes temperature rise(ΔT 40°C) from 25°C ambient.