

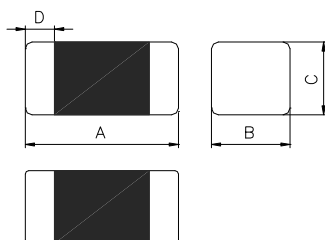
## 1. Features

- 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** **S** **F** - **2R2** **M** - **0A9**

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  
2R2=2.20uH  
M=±20%

## 4. Specification

Tai-Tech Part Number	Inductance(uH)	Test Frequency (Hz)	Rated Current (mA) max.	DCR (Ω)	
				max.	typ.
MPI201210SF-1R0M-1A0	1.00±20%	1M / 60mV	1000	0.26	0.20
MPI201210SF-2R2M-0A9	2.20±20%	1M / 60mV	900	0.36	0.28
MPI201210SF-4R7M-0A8	4.70±20%	1M / 60mV	800	0.39	0.30

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