

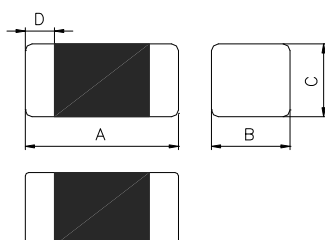
1. Features

- 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)



Certificate
of
GreenPartner

2. Dimensions



Chip Size				
Series	A(mm)	B(mm)	C(mm)	D(mm)
252010	2.50±0.20	2.00±0.20	1.00max.	0.50±0.30

3. Part Numbering

MPI
252010
M
F
 -
 1R0
M
 -
 1A6

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.
MPI252010MF-1R0M-1A6	1.00±20%	1M / 60mV	1600	0.19	0.15
MPI252010MF-1R5M-1A5	1.50±20%	1M / 60mV	1500	0.23	0.18
MPI252010MF-2R2M-1A3	2.20±20%	1M / 60mV	1300	0.32	0.25
MPI252010MF-4R7M-1A1	4.70±20%	1M / 60mV	1100	0.41	0.32

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