

High Current Ferrite Chip Inductor (Lead Free)

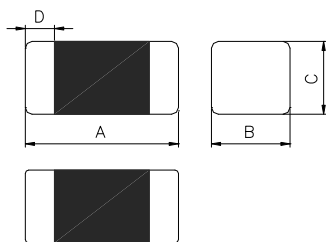
MPI201610SF-Series

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)



2. Dimensions



Chip Size				
Series	A(mm)	B(mm)	C(mm)	D(mm)
201610	2.00±0.20	1.60±0.20	1.00 max.	0.50±0.30

3. Part Numbering

MPI
201610
S
F
-
1R0
M
-
1A1

A
B
C
D
E
F
G

- A: Series
- B: Dimension
- C: Category Code
- D: Material Lead Free Material
- E: Inductance 1R0=1.00uH
- F: Inductance Tolerance M=±20%
- G: Rated Current

4. Specification

Tai-Tech Part Number	Inductance(uH)	Test Frequency (Hz)	Rated Current (mA) max.	DCR(Ω)	
				max.	typ.
MPI201610SF-1R0M-1A1	1.00±20%	1M / 60mV	1100	0.18	0.14
MPI201610SF-2R2M-0A8	2.20±20%	1M / 60mV	850	0.28	0.22

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