

High Current Ferrite Chip Inductor (Lead Free)

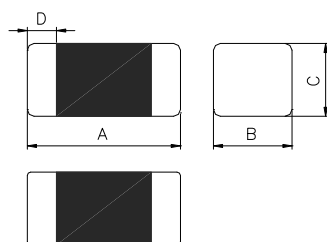
MPI160809MF-Series

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)
160809	1.60±0.15	0.80±0.15	0.95 max.	0.30±0.20

3. Part Numbering

MPI **160809** **M** **F** - **1R0** **M** - **1A0**
 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.
MPI160809MF-1R0M-1A0	1.00±20%	1M / 60mV	1000	0.23	0.18
MPI160809MF-1R5M-0A8	1.50±20%	1M / 60mV	800	0.28	0.22
MPI160809MF-2R2M-0A7	2.20±20%	1M / 60mV	700	0.39	0.30
MPI160809MF-4R7M-0A5	4.70±20%	1M / 60mV	500	0.65	0.50

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