

High Current Ferrite Chip Inductor (Lead Free)

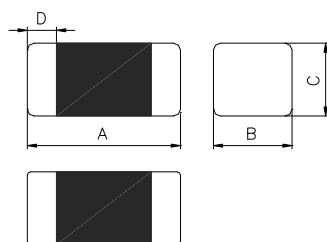
FCH160808SF-Series

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)
160808	1.60±0.15	0.80±0.15	0.95 max.	0.30±0.20

3. Part Numbering

FCH
160808
S
F
-
4R7
M

A: Series

B: Dimension

C: Category Code

D: Material

Lead Free Material

E: Inductance

4R7=4.70uH

F: Inductance Tolerance

M=±20%

4. Specification

Tai-Tech Part Number	Inductance (uH)	Test Frequency (Hz)	Rated Current (mA) max.	DCR (Ω) max.
FCH160808SF-1R0M	1.00±20%	1M / 60mV	1700	0.08
FCH160808SF-2R2M	2.20±20%	1M / 60mV	1300	0.13
FCH160808SF-4R7M	4.70±20%	1M / 60mV	1000	0.20

- Irms:DC current that causes temperature rise(ΔT 40°C) from 25°C ambient.
- In compliance with EIA 595

Typical Inductance v.s. Frequency Curve