

# High Current Ferrite Chip Inductor (Lead Free)

CMPI252010UF-2R2MT01

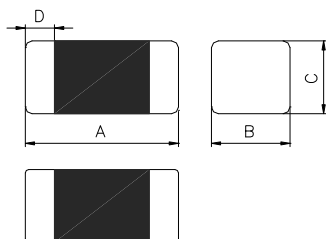
## 1. Features

- 2.5x2.0 mm and 1 mm in height (very compact size): CAE and fine printing technology made this compact size possible
- Stable minimum DC resistance in the class.
- High speed mounting: Using SMT mounter makes less than a second mounting possible.
- Excellent mounting strength by SMD chip making.
- Reduced noise over 2/3 of coil inductor by optimal design of CAD  
Completely lead-free product and support lead-free solder.
- Operating Temperature: -55~+105°C (Including self-temperature rise)



Certificate of Green Partner

## 2. Dimensions



Chip Size				
Series	A(mm)	B(mm)	C(mm)	D(mm)
252010	2.5±0.2	2.0±0.2	1.0max.	0.5±0.3

## 3. Part Numbering

CMPI
252010
UF
-
2R2
M
T01

- A: Series  
 B: Dimension  
 C: Material  
 D: Inductance  
 E: Inductance Tolerance  
 F: Category Code
- A x B x C  
 Lead Free Material  
 2R2=2.2uH  
 M=±20%

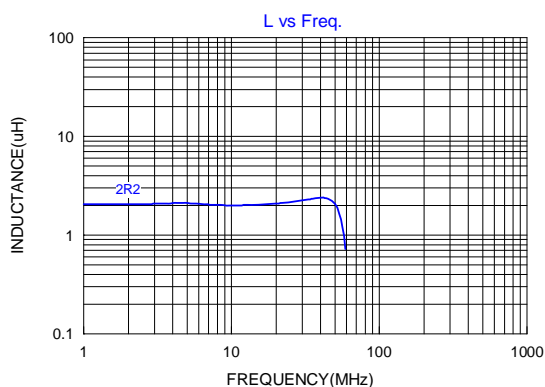
## 4. Specification

Tai-Tech Part Number	Inductance (uH)	Test Frequency (MHz)	DCR (Ω)		I rms (mA) max	I sat (mA) typ.
			max.	typ.		
CMPI252010UF-2R2MT01	2.2±20%	1	0.09	0.075	1100	600

Note:

- I<sub>rms</sub> : Based on temperature rise (ΔT : 40°C typ.)
- I<sub>sat</sub> : Based on inductance change (ΔL/L0 : ≤-30%) @ ambient temp. 25°C

### ■ Inductance-Frequency Characteristics



### ■ Inductance VS DC Bias Current

