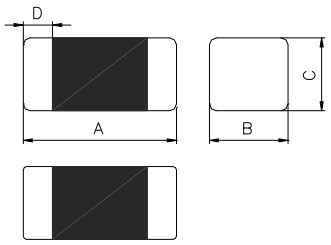
High Current Ferrite Chip Inductor (Lead Free) CMPI252010UF-2R2MT01

1. Features

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

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	B	C		D	E	F

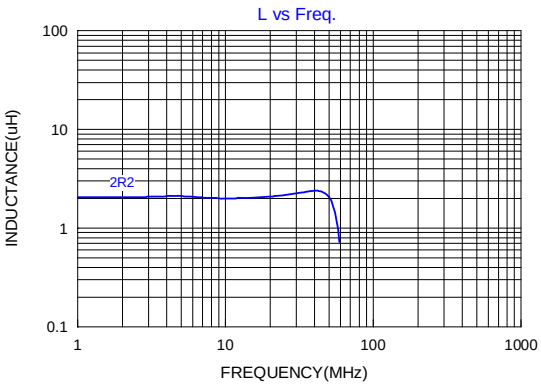
A: Series
B: Dimension — A x B x C
C: Material — Lead Free Material
D: Inductance — 2R2=2.2uH
E: Inductance Tolerance — M=±20%
F: Category Code

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:
Irms：Based on temperature rise (△T：40℃ typ.)
Isat：Based on inductance change (△L/L0：≦-30%) @ ambient temp. 25℃

■ Inductance-Frequency Characteristics



■ Inductance VS DC Bias Current