

High Current Ferrite Chip Inductor (Lead Free)

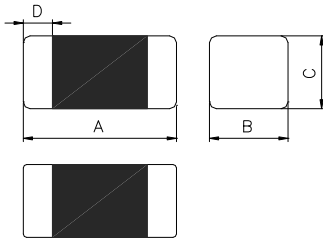
CMP1252010UF-2R2MT01

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 moulder 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.



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.		
CMP1252010UF-2R2MT01	2.2±20%	1	0.09	0.075	1100	600

Note:
 I_{rms} : Based on temperature rise (ΔT : 40°C typ.)
 I_{sat} : Based on inductance change (ΔL/L0 : ≤-30%) @ ambient temp. 25°C

■ Inductance-Frequency Characteristics

■ Inductance VS DC Bias Current

