

# Wire-Wound Chip Power Inductors

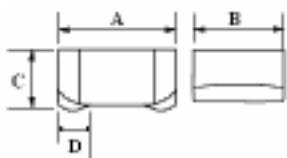
WPI P201210-Series

## 1. Features

1. Choke coil for DC/DC converter.
2. It corresponds to high current.
3. 100% Lead(Pb)-Free and RoHS compliant.



## 2. Dimensions



Size	A(mm)	B(mm)	C(mm)	D(mm)
201210	2.0±0.2	1.25±0.2	1.0 max	0.50±0.2

## 3. Part Numbering

WPI
P
201210
F
-
2R2
M

A: Series  
 B: Category Code  
 C: Dimension  
 D: Material  
 E: Inductance  
 F: Inductance Tolerance

A x B x C  
 Ferrite  
 2R2=2.2uH  
 M=±20%

## 4. Specification

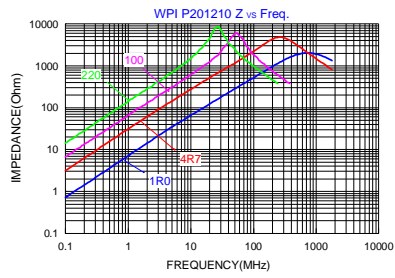
TAI-TECH Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	DCR ( ) ±30%	I sat (mA)	I rms (mA)	SRF (MHz) min.
WPI P201210F-1R0M	1.0	M	7.96M	0.135	850	850	300
WPI P201210F-1R5M	1.5	M	7.96M	0.18	700	750	250
WPI P201210F-2R2M	2.2	M	7.96M	0.30	600	550	200
WPI P201210F-3R3M	3.3	M	7.96M	0.50	490	440	190
WPI P201210F-4R7M	4.7	M	7.96M	0.55	340	400	150
WPI P201210F-6R8M	6.8	M	7.96M	0.75	290	350	60
WPI P201210F-100M	10	M	2.52M	0.85	270	330	30
WPI P201210F-150M	15	M	2.52M	1.00	220	300	15
WPI P201210F-220M	22	M	2.52M	1.30	190	270	13

Note:

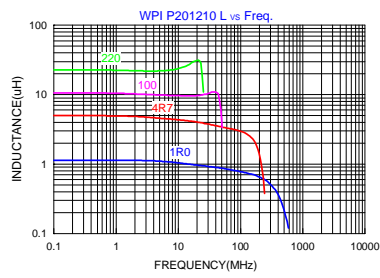
Isat : Based on inductance change ( L/L0 : -30% ) @ ambient temp. 25  
 Irms : Based on temperature rise ( T : 40 typ. )

## Impedance, Inductance v.s. Frequency Characteristics

Impedance v.s. Frequency Characteristics



Inductance v.s. Frequency Characteristics



Inductance VS DC Bias Current

