

# Power Inductor

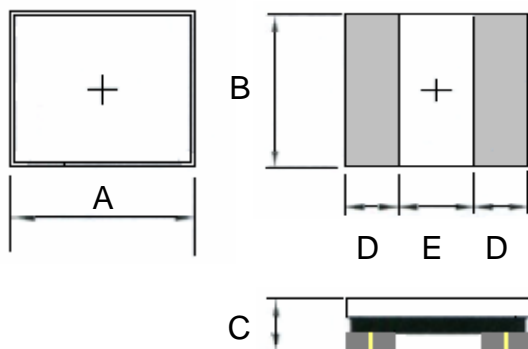
HPC252012CF-SERIES

## 1. Features

1. This specification applies Low Profile Power Inductors.
2. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



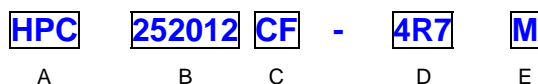
## 2. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
HPC252012CF	2.5±0.2	2.0±0.2	1.2 max.	0.85 ref.	0.80 ref.

Units: mm

## 3. Part Numbering



A: Series

B: Dimension

C: Lead Free

Material

D: Inductance

4R7=4.7uH

E: Inductance Tolerance

M=±20% ; Y=±30%

## 4. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) ±20%	I sat (A) typ.	I sat (A) Max.	I rms (A) typ	I rms (A) Max.
HPC252012CF-1R0Y	1.0	±30%	0.1V/1M	0.073	2.80	2.24	2.20	1.76
HPC252012CF-1R5Y	1.5	±30%	0.1V/1M	0.100	2.20	1.76	1.86	1.48
HPC252012CF-2R2M	2.2	±20%	0.1V/1M	0.129	1.80	1.44	1.70	1.36
HPC252012CF-3R3M	3.3	±20%	0.1V/1M	0.220	1.30	1.04	1.20	0.96
HPC252012CF-4R7M	4.7	±20%	0.1V/1M	0.290	1.10	0.88	1.04	0.83
HPC252012CF-6R8M	6.8	±20%	0.1V/1M	0.370	0.94	0.75	0.94	0.75
HPC252012CF-100M	10	±20%	0.1V/1M	0.570	0.82	0.65	0.84	0.60
HPC252012CF-150M	15	±20%	0.1V/1M	0.835	0.70	0.60	0.50	0.45
HPC252012CF-220M	22	±20%	0.1V/1M	1.200	0.60	0.55	0.45	0.40

Note:

Isat : Based on inductance change (ΔL/L0 : ≤-30%) @ ambient temp. 25°C

Irms : Based on temperature rise (ΔT : 40°C).