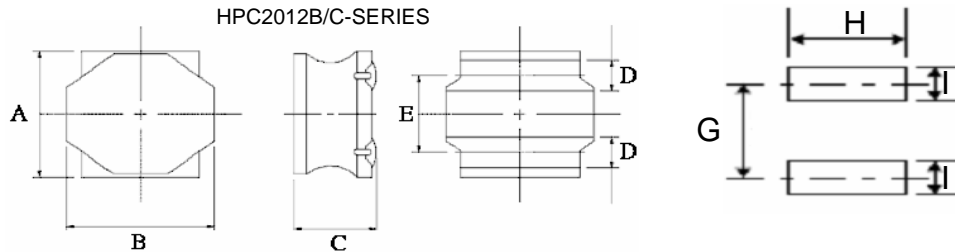


1. Features

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



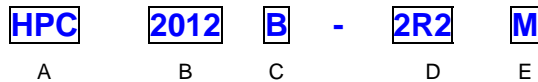
2. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	G(mm)	H(mm)	I(mm)
HPC2012B/C	2.0±0.1	2.0±0.1	1.2 max.	0.5±0.2	1.25±0.2	1.35 ref.	2.0 ref.	0.65 ref.

Units: mm

3. Part Numbering



- A: Series
 B: Dimension
 C: Control S/N
 D: Inductance 2R2=2.2uH
 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)	I rms (A)
HPC2012B-1R0Y	1.0	±30%	1V100K	0.070	1.90	1.70
HPC2012B-1R5Y	1.5	±30%	1V100K	0.090	1.65	1.50
HPC2012B-2R2M	2.2	±20%	1V100K	0.107	1.35	1.37
HPC2012B-3R3M	3.3	±20%	1V100K	0.190	1.00	1.02
HPC2012B-4R7M	4.7	±20%	1V100K	0.241	0.90	0.91
HPC2012C-1R0Y	1.0	±30%	1V100K	0.073	2.20	1.65
HPC2012C-1R5Y	1.5	±30%	1V100K	0.100	1.80	1.40
HPC2012C-2R2M	2.2	±20%	1V100K	0.129	1.60	1.20
HPC2012C-3R3M	3.3	±20%	1V100K	0.227	1.25	0.90
HPC2012C-4R7M	4.7	±20%	1V100K	0.325	1.10	0.75

Note:

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

I_{rms} : Based on temperature rise (ΔT : 40°C typ.)