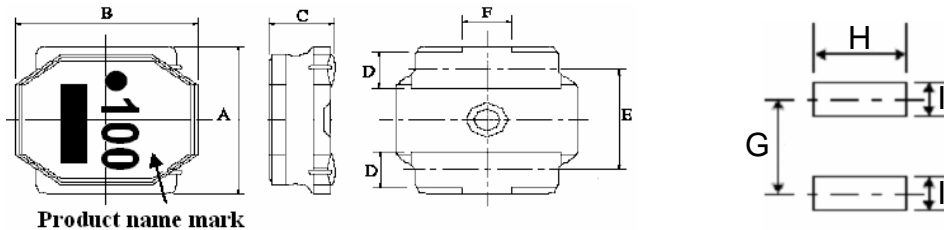


1. Features

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



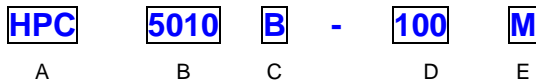
2. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	I(mm)
HPC5010B	4.9±0.2	4.9±0.2	1.0 max.	1.2±0.2	3.3±0.2	1.3 typ.	3.6 ref.	4.0 ref.	1.5 ref.

Units: mm

3. Part Numbering



- A: Series
 B: Dimension
 C: Control S/N
 D: Inductance 100=10.0uH
 E: Inductance Tolerance M=±20% ; Y=±30%

4. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	SRF (MHz) min.	DCR (Ω) ±20%	I sat (A)	I rms (A)
HPC5010B-1R0Y	1.0	±30%	1V100K	95	0.070	2.35	1.75
HPC5010B-2R2Y	2.2	±30%	1V100K	65	0.105	1.50	1.40
HPC5010B-3R3M	3.3	±20%	1V100K	42	0.125	1.40	1.25
HPC5010B-4R7M	4.7	±20%	1V100K	37	0.145	1.20	1.15
HPC5010B-6R8M	6.8	±20%	1V100K	33	0.185	1.00	1.00
HPC5010B-100M	10	±20%	1V100K	23	0.250	0.85	0.90
HPC5010B-150M	15	±20%	1V100K	19	0.400	0.68	0.65
HPC5010B-220M	22	±20%	1V100K	15	0.600	0.55	0.45

Note:

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

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