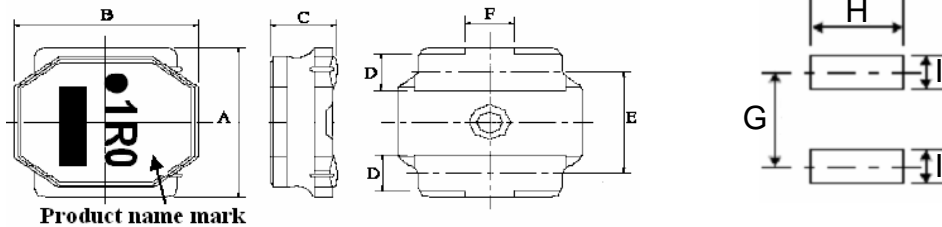


### 1. Features

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



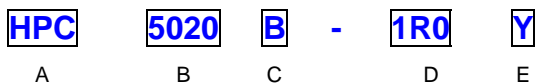
### 2. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	I(mm)
HPC5020B	4.9±0.2	4.9±0.2	2.0 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                      1R0=1.0uH  
 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)
HPC5020B-1R0Y	1.0	±30%	1V100K	81	0.021	4.00	3.60
HPC5020B-1R5Y	1.5	±30%	1V100K	68	0.026	3.35	3.20
HPC5020B-2R2Y	2.2	±30%	1V100K	57	0.035	2.90	2.90
HPC5020B-3R3Y	3.3	±30%	1V100K	46	0.048	2.40	2.40
HPC5020B-4R7M	4.7	±20%	1V100K	37	0.060	2.00	2.00
HPC5020B-6R8M	6.8	±20%	1V100K	30	0.090	1.60	1.65
HPC5020B-100M	10	±20%	1V100K	24	0.120	1.30	1.45
HPC5020B-150M	15	±20%	1V100K	20	0.165	1.10	1.20
HPC5020B-220M	22	±20%	1V100K	17	0.260	0.90	1.00

Note:

- I<sub>sat</sub> : Based on inductance change (ΔL/L0 : ≤-30%) @ ambient temp. 25°C  
 I<sub>rms</sub> : Based on temperature rise (ΔT : 40°C typ.)