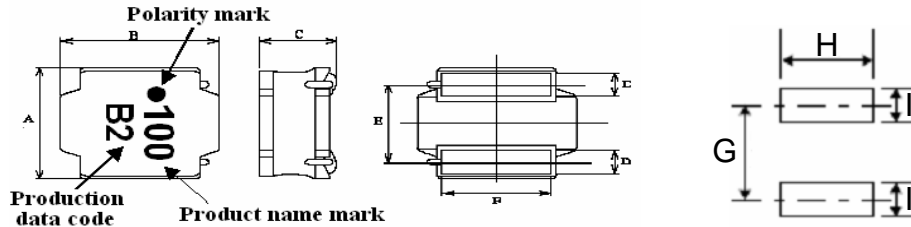


1. Features

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



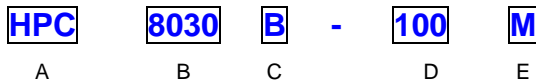
2. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	I(mm)
HPC8030B	8.0±0.2	8.0±0.2	3.0 max.	1.6±0.3	5.6±0.3	5.5±0.4	5.6 ref.	7.5 ref.	1.8 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) ±30%	I sat (A)	I rms (A)
HPC8030B-1R0Y	1.0	±30%	1V100K	120	0.009	7.80	6.20
HPC8030B-1R5Y	1.5	±30%	1V100K	80	0.012	6.20	5.30
HPC8030B-2R2Y	2.2	±30%	1V100K	60	0.015	4.90	4.80
HPC8030B-3R3M	3.3	±20%	1V100K	50	0.019	4.20	4.30
HPC8030B-4R7M	4.7	±20%	1V100K	40	0.022	3.60	4.00
HPC8030B-6R8M	6.8	±20%	1V100K	32	0.029	3.00	3.40
HPC8030B-100M	10	±20%	1V100K	27	0.033	2.40	3.00
HPC8030B-150M	15	±20%	1V100K	20	0.060	2.00	2.20
HPC8030B-220M	22	±20%	1V100K	16	0.070	1.75	1.90

Note:

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

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