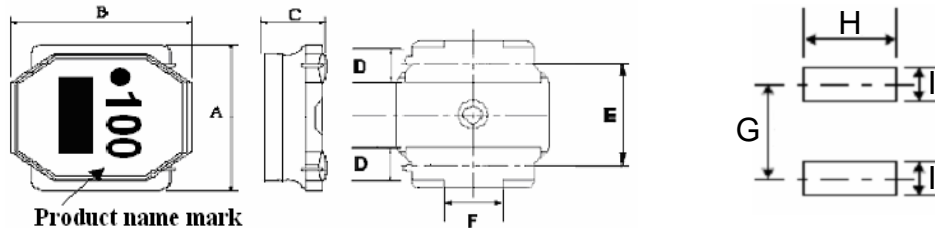


1. Features

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



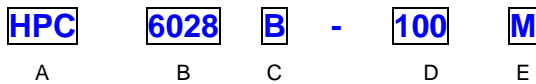
2. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	I(mm)
HPC6028B	6.0±0.2	6.0±0.2	2.8 max.	1.35±0.2	4.0±0.2	2.3 typ.	4.7 ref.	5.7 ref.	1.6 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)
HPC6028B-R90Y	0.9	±30%	1V100K	90	0.013	6.70	4.60
HPC6028B-1R5Y	1.5	±30%	1V100K	78	0.016	5.10	4.20
HPC6028B-2R2Y	2.2	±30%	1V100K	68	0.020	4.20	3.70
HPC6028B-3R0Y	3.0	±30%	1V100K	55	0.023	3.60	3.40
HPC6028B-4R7M	4.7	±20%	1V100K	39	0.031	2.70	3.00
HPC6028B-6R0M	6.0	±20%	1V100K	30	0.040	2.50	2.50
HPC6028B-100M	10	±20%	1V100K	20	0.065	1.90	1.90
HPC6028B-150M	15	±20%	1V100K	17	0.095	1.60	1.80
HPC6028B-220M	22	±20%	1V100K	12	0.135	1.30	1.40
HPC6028B-330M	33	±20%	1V100K	10	0.220	1.10	1.10
HPC6028B-470M	47	±20%	1V100K	8	0.300	1.00	0.92
HPC6028B-680M	68	±20%	1V100K	5	0.420	0.80	0.77
HPC6028B-101M	100	±20%	1V100K	3	0.600	0.65	0.66

Note:

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

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