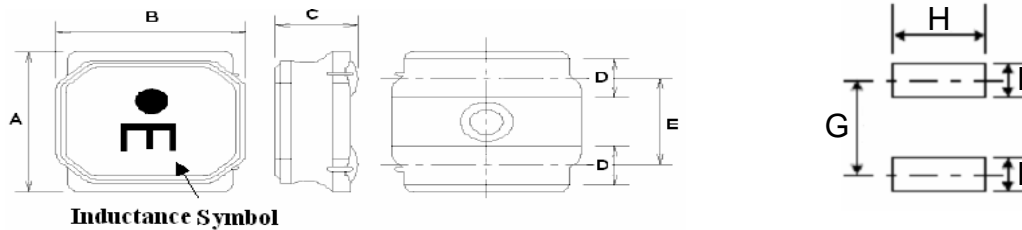


1. Features

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



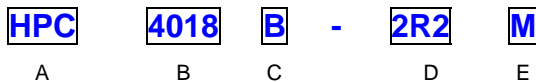
2. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	G(mm)	H(mm)	I(mm)
HPC4018B	4.0±0.2	4.0±0.2	1.8 max.	1.1±0.2	2.5±0.2	2.8 ref.	3.7 ref.	1.2 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 Symbol	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	SRF (MHz) min.	DCR (Ω) ±20%	I sat (A)	I rms (A)
HPC4018B-1R0Y	A	1.0	±30%	1V100K	90	0.027	4.00	3.20
HPC4018B-2R2M	C	2.2	±20%	1V100K	60	0.042	3.00	2.20
HPC4018B-3R3M	E	3.3	±20%	1V100K	45	0.055	2.30	2.00
HPC4018B-4R7M	H	4.7	±20%	1V100K	35	0.070	2.00	1.70
HPC4018B-6R8M	I	6.8	±20%	1V100K	30	0.098	1.60	1.45
HPC4018B-100M	K	10	±20%	1V100K	25	0.150	1.30	1.20
HPC4018B-150M	M	15	±20%	1V100K	18	0.210	1.10	0.85
HPC4018B-220M	N	22	±20%	1V100K	15	0.290	0.90	0.72
HPC4018B-330M	P	33	±20%	1V100K	12	0.460	0.70	0.55

Note:

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