

Power Inductor

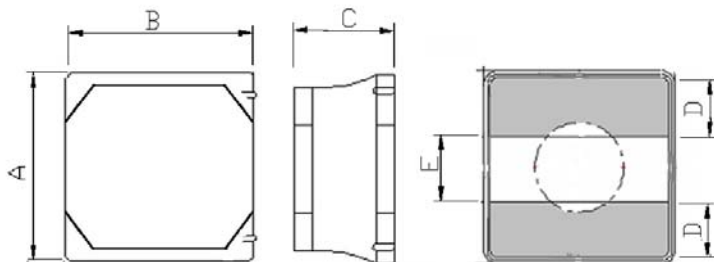
HPC4010TV-SERIES

1. Features

1. This specification applies Low Profile Power Inductors.
2. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
3. High reliability -Reliability tests comply with AEC-Q200
4. Operating temperature:-55~+125°C (Including self - temperature rise)

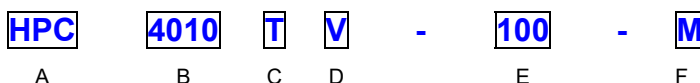


2. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
HPC4010TV	4.0±0.2	4.0±0.2	1.0max.	1.2 ref.	1.6 ref.

3. Part Numbering



- A: Series
- B: Dimension
- C: Lead Free
- D: Category Code
V=Vehicle
- E: Inductance
100=10.0uH
- F: Inductance Tolerance
M=±20%;Y=±30%

4. Specification

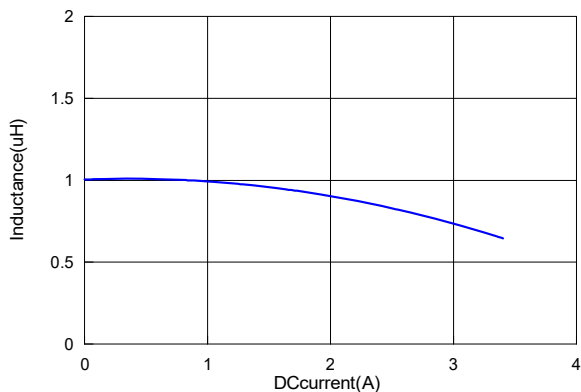
TAI-TECH Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) ±20%	I sat (A)typ.	I sat (A)Max.	I rms (A)typ.	I rms (A)Max.
HPC4010TV -1R0Y	1.0	±30%	1V100K	0.056	2.40	2.00	2.30	1.90
HPC4010TV -2R2M	2.2	±20%	1V100K	0.085	1.50	1.20	1.80	1.50
HPC4010TV-3R3M	3.3	±20%	1V100K	0.100	1.30	1.10	1.70	1.40
HPC4010TV-4R7M	4.7	±20%	1V100K	0.140	1.20	0.95	1.50	1.20
HPC4010TV-100M	10	±20%	1V100K	0.300	0.80	0.62	0.90	0.75
HPC4010TV-150M	15	±20%	1V100K	0.430	0.70	0.54	0.80	0.60
HPC4010TV-220M	22	±20%	1V100K	0.570	0.60	0.45	0.80	0.50

Note:

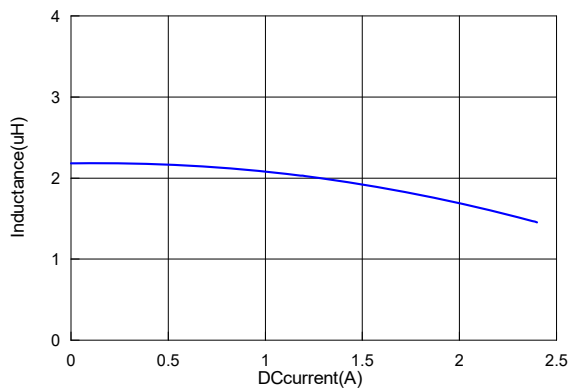
Isat : Saturation Current (Isat) will cause L0 to drop approximately 30%.

Irms : Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C

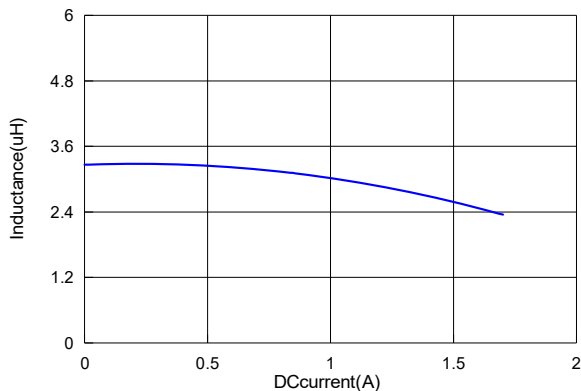
HPC4010TV-1R0



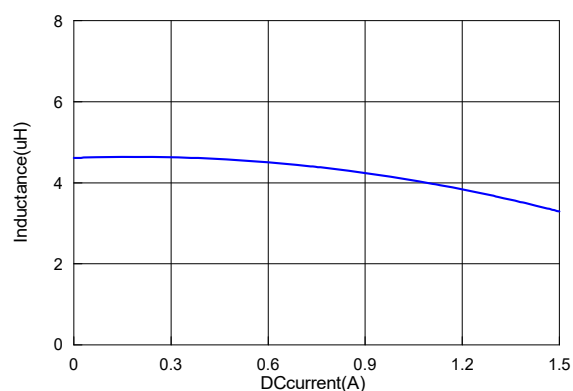
HPC4010TV-2R2



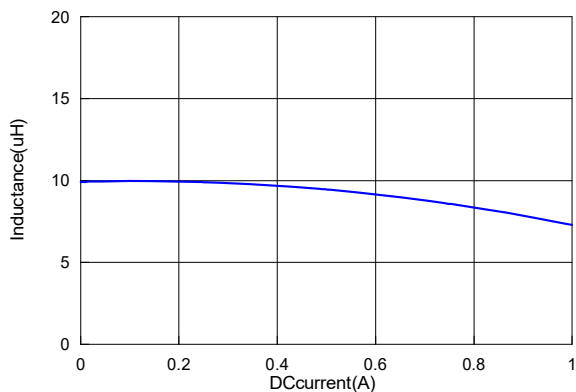
HPC4010TV-3R3



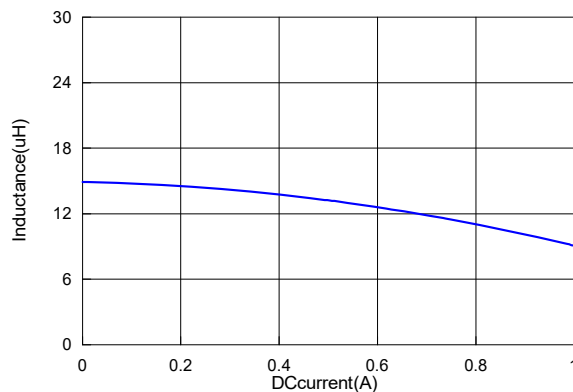
HPC4010TV-4R7



HPC4010TV-100



HPC4010TV-150



HPC4010TV-220

