

Power Inductor

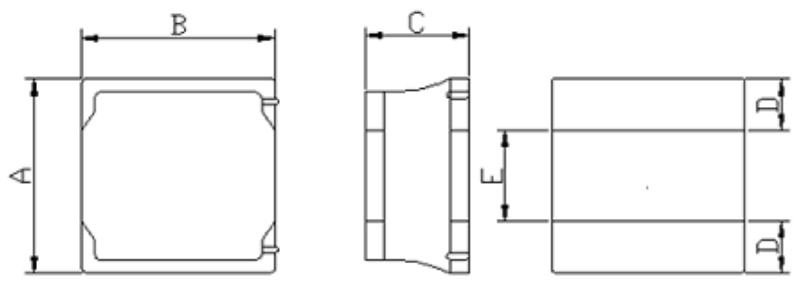
HPC4015TV-Series

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)



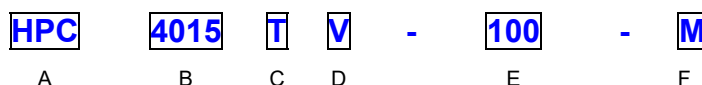
2. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
HPC4015TV	4.0±0.2	4.0±0.2	1.5 max.	1.2 ref.	1.6 ref.

Units: mm

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 rms (A)typ.
HPC4015TV-1R0M	1.00	±20%	1V100K	0.033	4.00	3.70
HPC4015TV-1R5M	1.50	±20%	1V100K	0.041	3.30	3.30
HPC4015TV-2R2M	2.20	±20%	1V100K	0.055	2.90	2.90
HPC4015TV-3R3M	3.30	±20%	1V100K	0.065	2.30	2.30
HPC4015TV-4R7M	4.70	±20%	1V100K	0.085	1.90	1.90
HPC4015TV-5R6M	5.60	±20%	1V100K	0.103	1.70	1.70
HPC4015TV-6R8M	6.80	±20%	1V100K	0.110	1.60	1.60
HPC4015TV-100M	10.0	±20%	1V100K	0.160	1.40	1.40
HPC4015TV-150M	15.0	±20%	1V100K	0.230	1.10	1.10

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

