

# Power Inductor

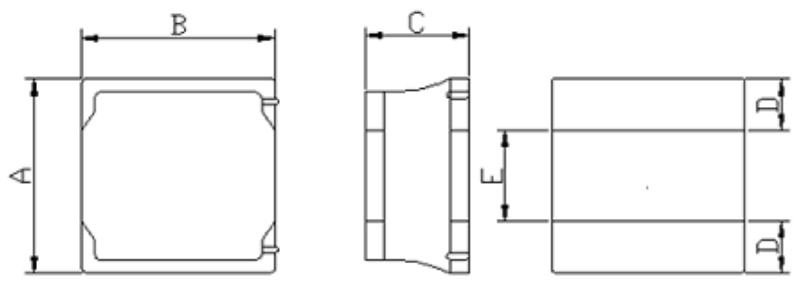
HPC4015TF-SERIES

## 1. Features

1. This specification applies Low Profile Power Inductors.
2. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
3. Operating temperature -40~+125°C (Including self - temperature rise)



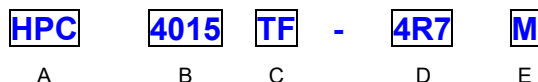
## 2. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
HPC4015TF	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: Inductance                   4R7=4.7uH

E: Inductance Tolerance       M=±20%

## 4. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) ±20%	I sat (A)	I rms (A)
HPC4015TF-1R0M	1.00	±20%	1V100K	0.033	4.00	3.70
HPC4015TF-1R5M	1.50	±20%	1V100K	0.041	3.30	3.30
HPC4015TF-2R2M	2.20	±20%	1V100K	0.055	2.90	2.90
HPC4015TF-3R3M	3.30	±20%	1V100K	0.065	2.30	2.30
HPC4015TF-4R7M	4.70	±20%	1V100K	0.085	1.90	1.90
HPC4015TF-5R6M	5.60	±20%	1V100K	0.103	1.70	1.70
HPC4015TF-6R8M	6.80	±20%	1V100K	0.110	1.60	1.60
HPC4015TF-100M	10.0	±20%	1V100K	0.160	1.40	1.40
HPC4015TF-150M	15.0	±20%	1V100K	0.230	1.10	1.10

.Note:

I<sub>sat</sub> : Based on inductance change (ΔL/L0 : ≤30%) @ ambient temp. 25°CI<sub>rms</sub> : Based on temperature rise (ΔT : 40°C.) Max

