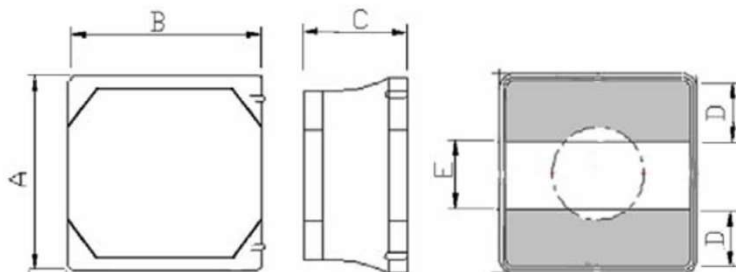


1. Features

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)
HPC4012TF	4.0±0.2	4.0±0.2	1.2 max.	1.1 ref.	2.5 ref.

Units: mm

3. Part Numbering

HPC
4012
TF
-
100
M

A

B

C

D

E

A: Series

B: Dimension

C: Lead Free

D: Inductance 100=10uH

E: Inductance Tolerance M=±20% ; Y=±30%

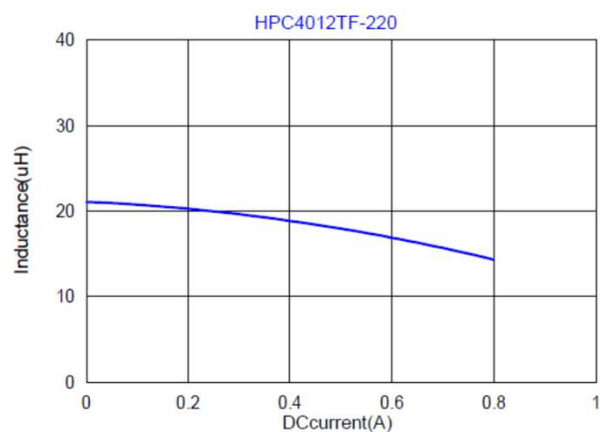
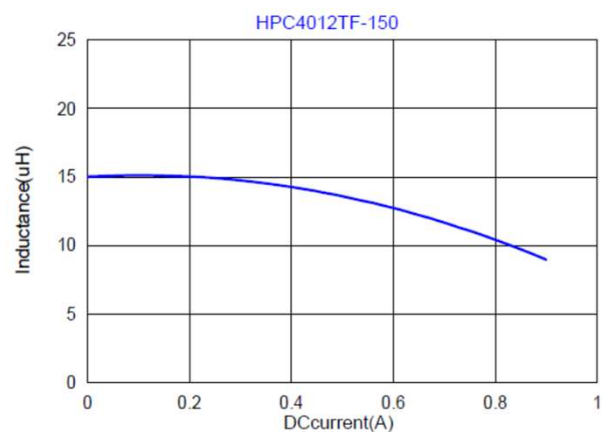
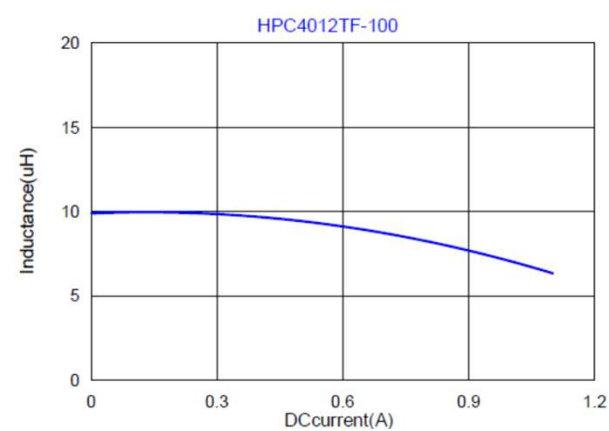
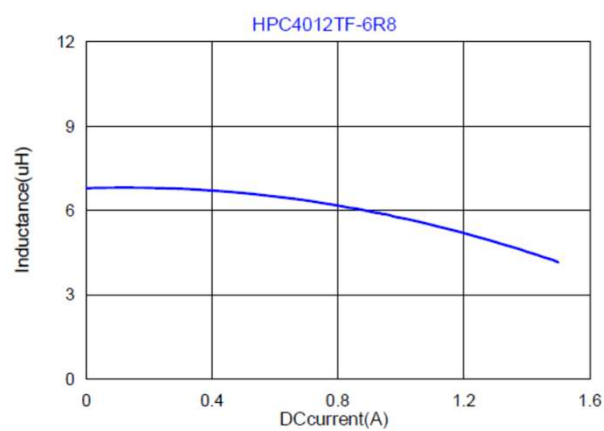
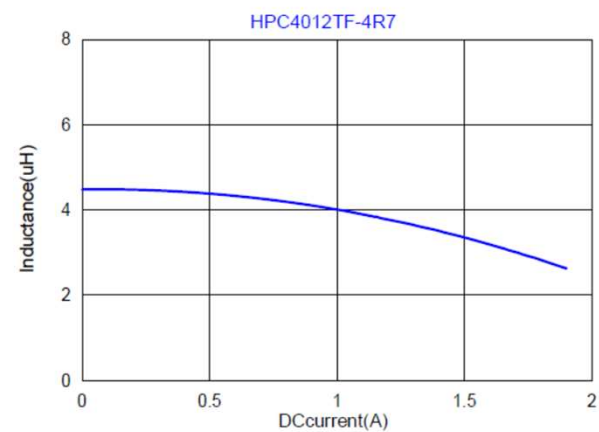
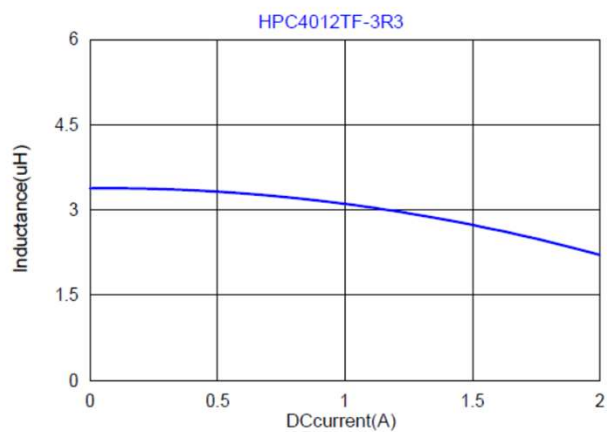
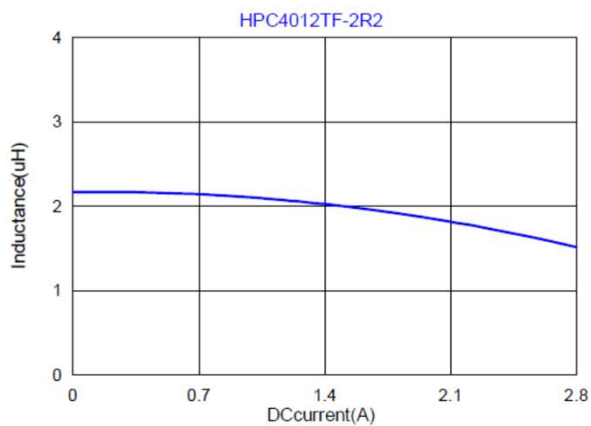
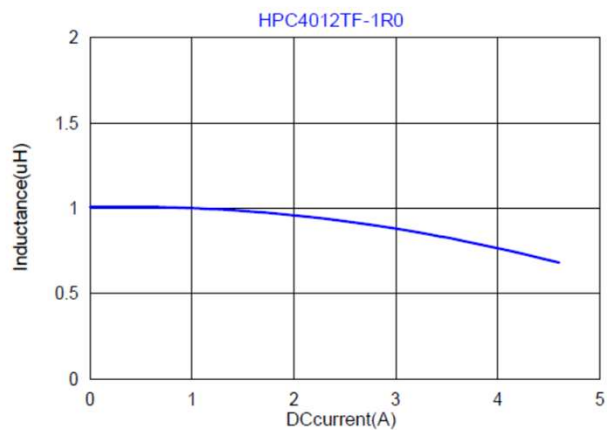
4. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	SRF (MHz) typ.	DCR (Ω) ±20%	I sat (A)typ.	I rms (A)typ.
HPC4012TF -1R0Y	1.0	±30%	1V100K	100	0.042	2.80	2.20
HPC4012TF -2R2M	2.2	±20%	1V100K	70	0.060	1.65	1.90
HPC4012TF -3R3M	3.3	±20%	1V100K	60	0.070	1.40	1.70
HPC4012TF -4R7M	4.7	±20%	1V100K	45	0.095	1.20	1.50
HPC4012TF -6R8M	6.8	±20%	1V100K	35	0.125	0.90	1.30
HPC4012TF -100M	10	±20%	1V100K	30	0.180	0.80	1.10
HPC4012TF -150M	15	±20%	1V100K	24	0.260	0.65	0.75
HPC4012TF -220M	22	±20%	1V100K	18	0.400	0.50	0.62

Note:

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

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



SINKA JAPAN CO.,LTD