

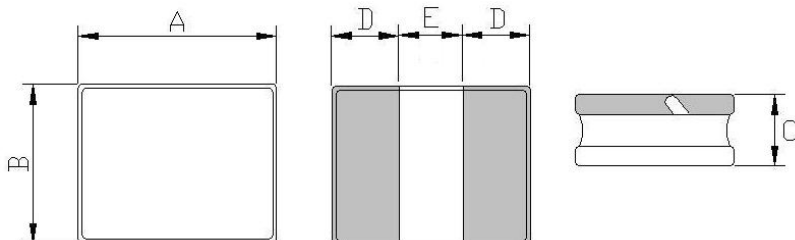
Power Inductor **AHP201610FA-SERIES**

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).

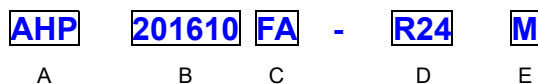


2. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
AHP201610FA	2.0 -0.1/+0.2	1.6 -0.1/+0.2	1.0Max	0.50 ref.	1.00 ref.

3. Part Numbering



- A: Series
- B: Dimension
- C: Lead Free Material
- D: Inductance R24=0.24uH
- E: Inductance Tolerance M=±20%

4. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) typ.	DCR (Ω) Max.	I sat (A)	I rms (A)
AHP201610FA-R24M	0.24	± 20	1V/1M	0.015	0.020	7.50	5.70 (1) 6.50 (2)
AHP201610FA-R33M	0.33	± 20	1V/1M	0.018	0.023	5.50	5.50 (1) 5.60 (2)
AHP201610FA-R47M	0.47	± 20	1V/1M	0.024	0.029	5.20	4.70 (1) 5.30 (2)
AHP201610FA-R68M	0.68	± 20	1V/1M	0.036	0.044	5.10	3.90 (1) 4.20 (2)
AHP201610FA-1R0M	1.0	± 20	1V/1M	0.050	0.060	4.50	3.20 (1) 3.40 (2)
AHP201610FA-1R5M	1.5	± 20	1V/1M	0.068	0.082	3.20	2.90 (1) 3.10 (2)
AHP201610FA-2R2M	2.2	± 20	1V/1M	0.100	0.120	2.70	2.20 (1) 2.30 (2)
AHP201610FA-3R3M	3.3	± 20	1V/1M	0.160	0.192	2.00	1.80(1) 2.00(2)
AHP201610FA-4R7M	4.7	± 20	1V/1M	0.180	0.216	1.60	1.60 (1) 1.80 (2)

Note:

I_{sat} : Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

I_{rms} : Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C.

Rated DC Current : The less value which is I_{rms} or I_{sat}.

Measurement board data

I_{rms1}

Material : FR4

Board dimensions : 100 X 50 X 1.6t mm

Pattern dimensions: 45 X 30 mm (Double side board)

Pattern thickness : 50 μ m

I_{rms2}

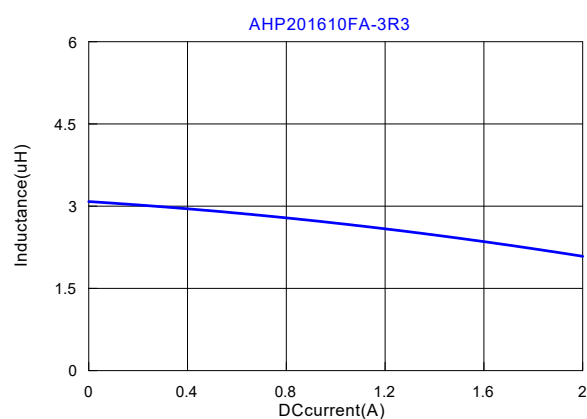
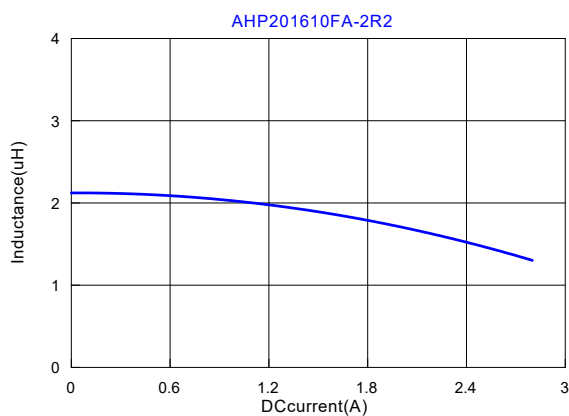
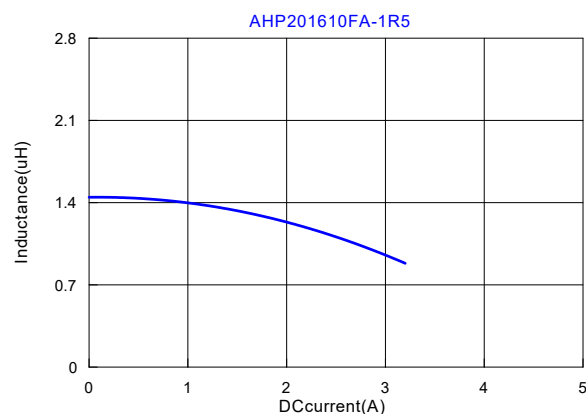
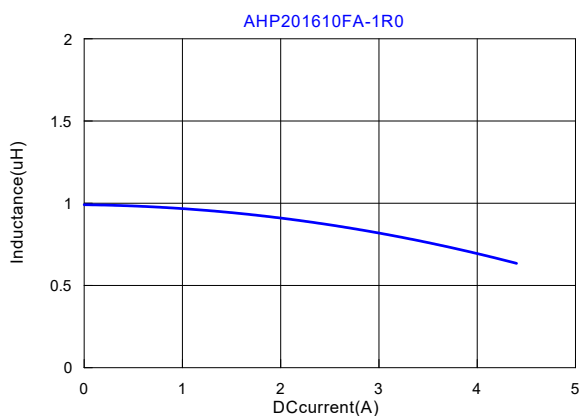
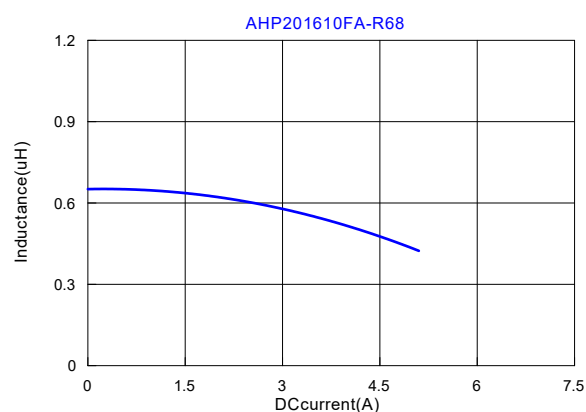
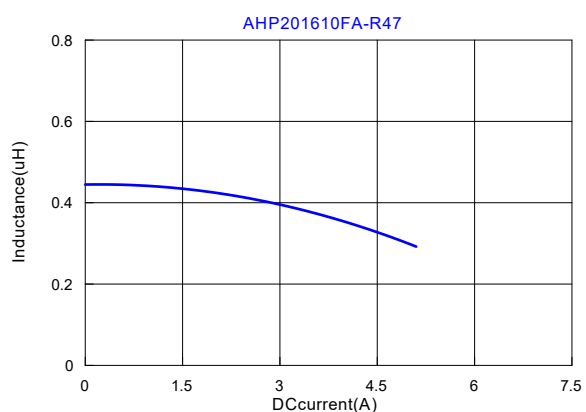
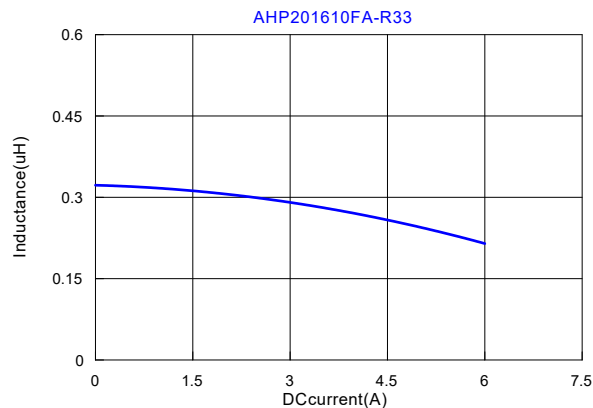
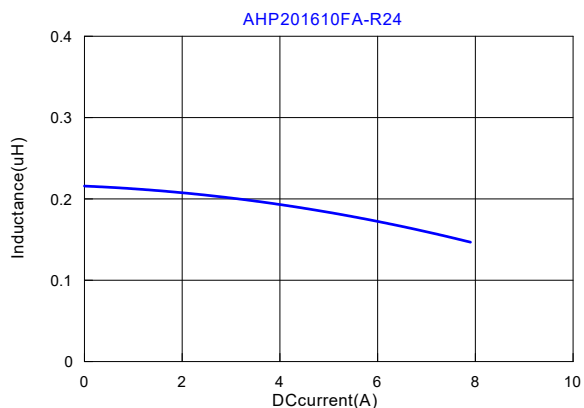
Material: FR4

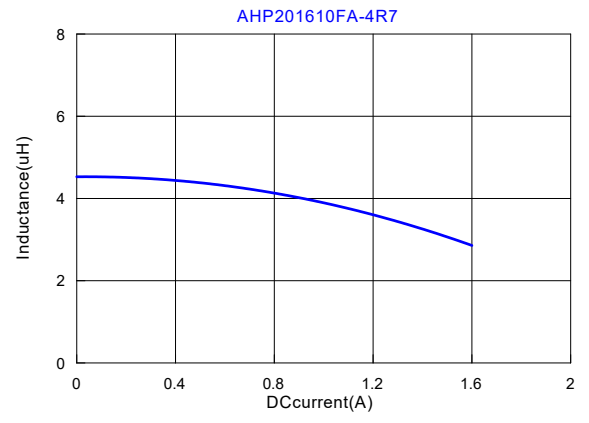
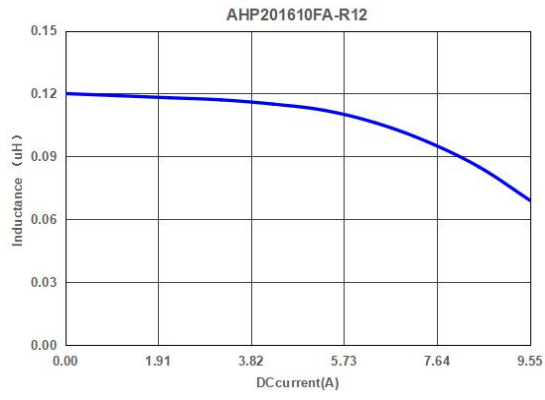
Board dimensions : 100 X 50 X 1.6t mm

Pattern dimensions: 45 X 45 mm (Double side board)

Pattern thickness : 70 μ m

9. Typical Performance Curves





单击下面可查看定价，库存，交付和生命周期等信息

[>>TAI-TECH\(台庆\)](#)