

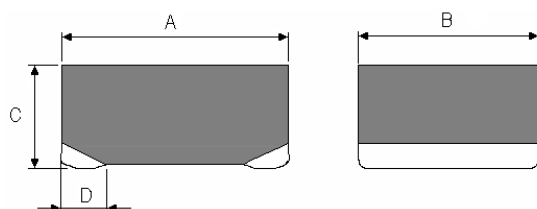
1. Features

1. This specification applies Low Profile Power Inductors.
2. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



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2. Dimensions



Size	A(mm)	B(mm)	C(mm)	D(mm)
201610	2.0±0.2	1.6±0.2	1.0 max.	0.5±0.3

3. Part Numbering

AWP **201610** **AF** - **R47** **M**

A B C D E

A: Series

B: Dimension

C: Material

D: Inductance

E: Inductance Tolerance

R47=0.47uH

M=±20%

4. Specification

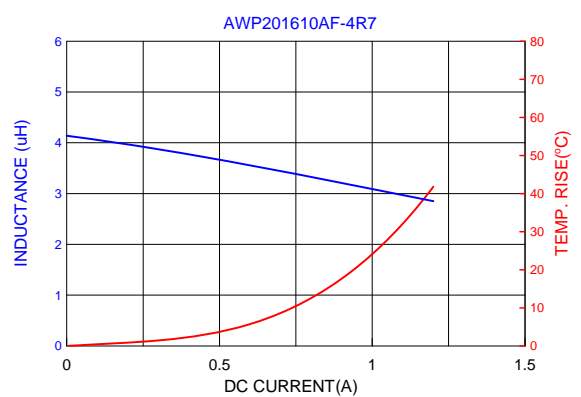
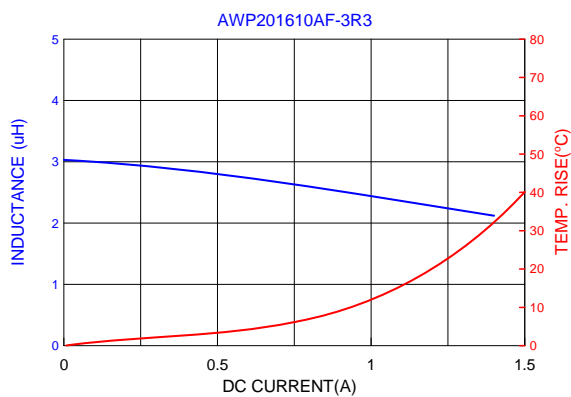
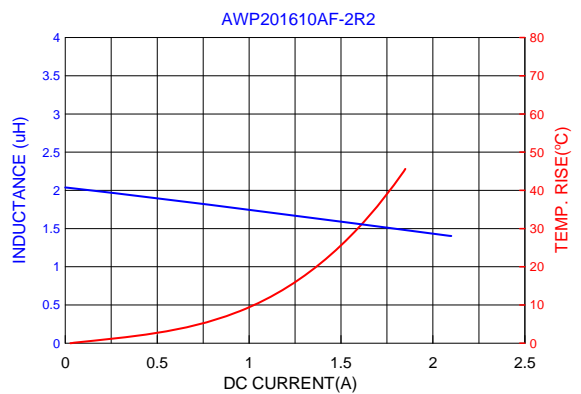
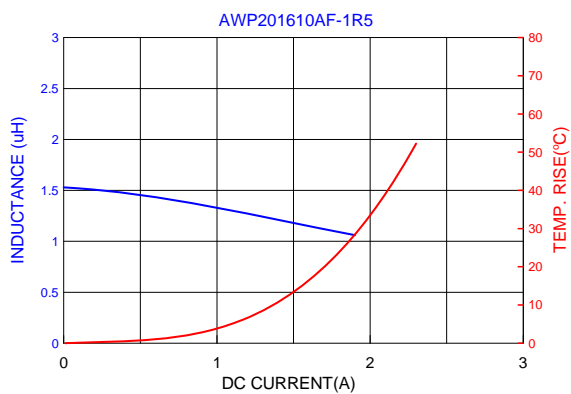
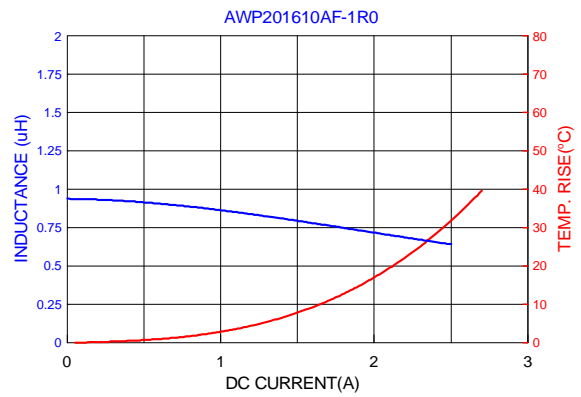
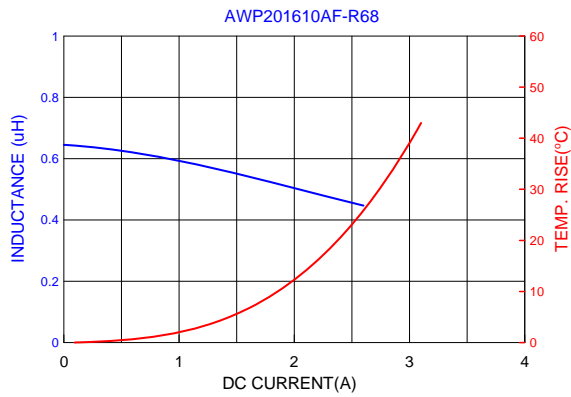
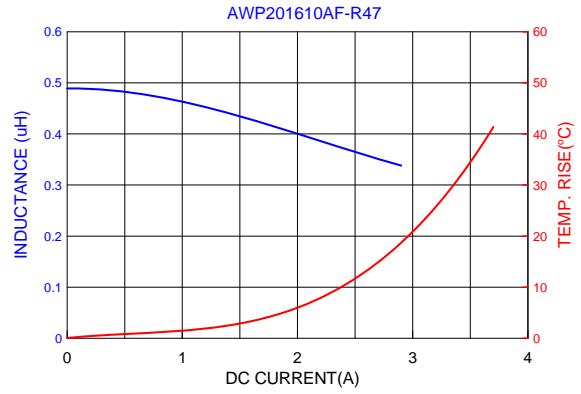
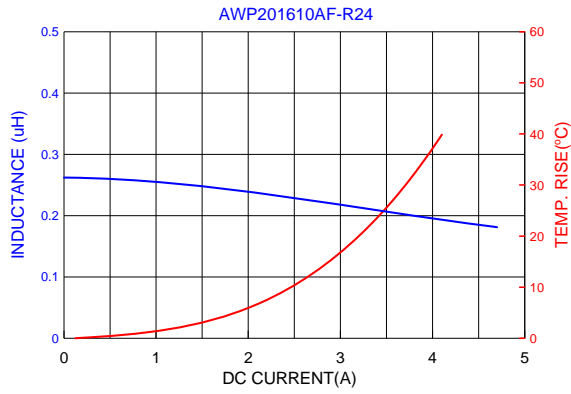
TAI-TECH Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω)		I sat (A)		I rms (A)	
			max.	typ.	max.	typ.	max.	typ.
AWP201610AF-R24M	0.24±20%	1V/1M	0.048	0.040	4.20	4.70	3.00	3.30
AWP201610AF-R47M	0.47±20%	1V/1M	0.053	0.044	2.70	3.60	2.80	3.00
AWP201610AF-R68M	0.68±20%	1V/1M	0.073	0.061	2.35	2.60	2.35	2.90
AWP201610AF-1R0M	1.0±20%	1V/1M	0.084	0.070	2.20	2.50	2.20	2.50
AWP201610AF-1R5M	1.5±20%	1V/1M	0.138	0.115	1.60	1.90	1.65	1.90
AWP201610AF-2R2M	2.2±20%	1V/1M	0.186	0.155	1.50	1.80	1.50	1.60
AWP201610AF-3R3M	3.3±20%	1V/1M	0.276	0.230	1.15	1.40	1.20	1.45
AWP201610AF-4R7M	4.7±20%	1V/1M	0.396	0.330	1.00	1.20	0.95	1.15

Note:

I_{sat} : Based on inductance change ($\Delta L/L0 : \leq -30\%$) @ ambient temp. 25°C

I_{rms} : Based on temperature rise ($\Delta T : 40^\circ\text{C}$.) Max

5. Typical Performance Curves



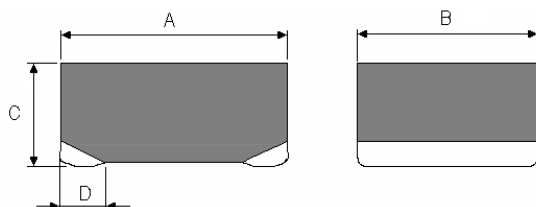
1.Features

1. This specification applies Low Profile Power Inductors.
2. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



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2.Dimensions



Size	A(mm)	B(mm)	C(mm)	D(mm)
201610	2.0±0.2	1.6±0.2	1.0 max.	0.5±0.3

3.Part Numbering

AWP **201610** **UF** - **R47** **M**

A: Series
 B: Dimension
 C: Material
 D: Inductance R47=0.47uH
 E: Inductance Tolerance M=±20%

4.Specification

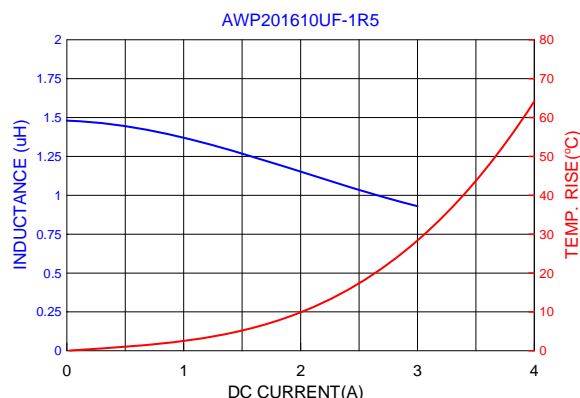
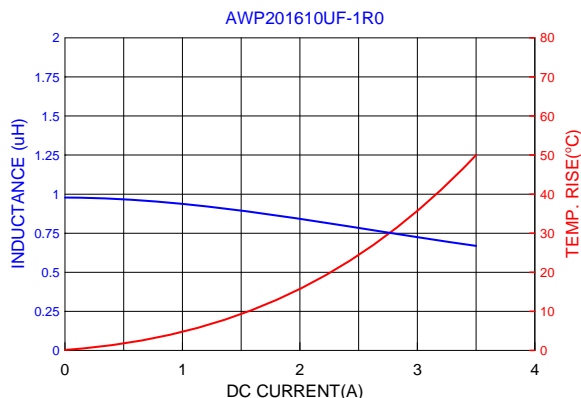
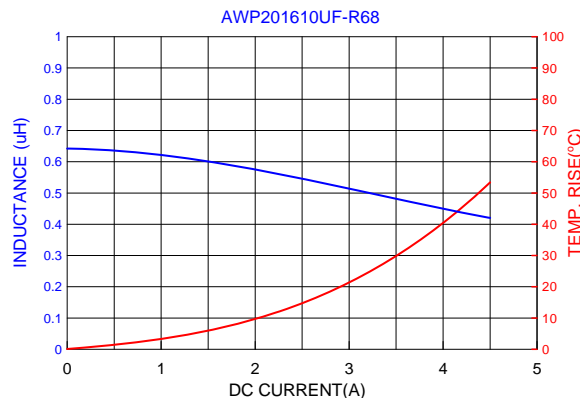
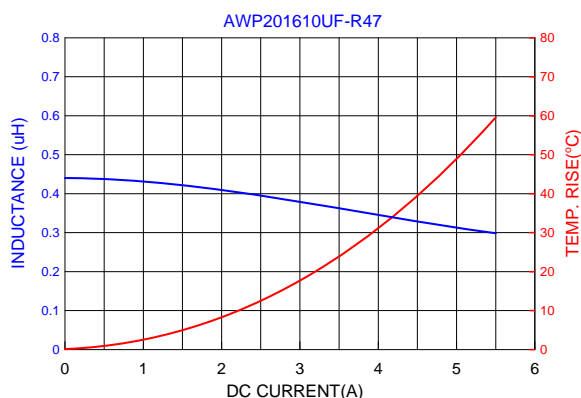
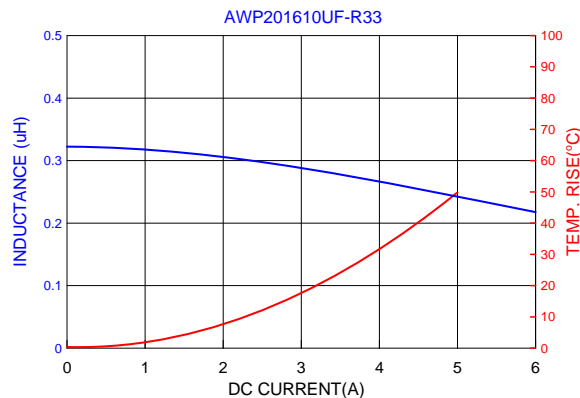
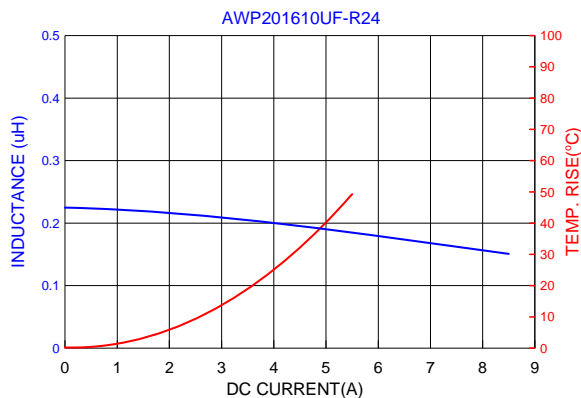
TAI-TECH Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω)		I sat (A)		I rms (A)	
			max.	typ.	max.	typ.	max.	typ.
AWP201610UF-R24M	0.24±20%	1V/1M	0.026	0.020	5.6	6.5	4.0	4.5
AWP201610UF-R33M	0.33±20%	1V/1M	0.030	0.025	4.5	5.0	3.5	4.0
AWP201610UF-R47M	0.47±20%	1V/1M	0.037	0.031	4.1	4.5	3.3	3.8
AWP201610UF-R68M	0.68±20%	1V/1M	0.050	0.042	3.2	3.8	2.7	3.2
AWP201610UF-1R0M	1.0±20%	1V/1M	0.070	0.058	2.6	3.1	2.3	2.8
AWP201610UF-1R5M	1.5±20%	1V/1M	0.105	0.090	2.1	2.5	1.8	2.4

Note:

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

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

5. Typical Performance Curves



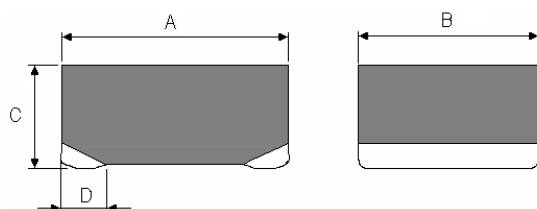
1. Features

1. This specification applies Low Profile Power Inductors.
2. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



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2. Dimensions



Size	A(mm)	B(mm)	C(mm)	D(mm)
252010	2.5±0.2	2.0±0.2	1.0 max.	0.5±0.3

3. Part Numbering

AWP **252010** **AF** - **R47** **M**

A: Series

B: Dimension

C: Material

D: Inductance

E: Inductance Tolerance

R47=0.47uH

M=±20%

4. Specification

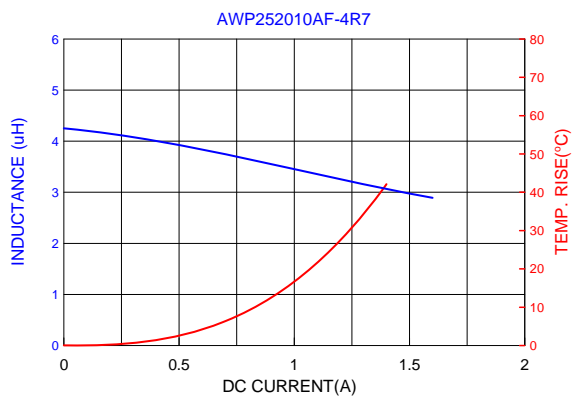
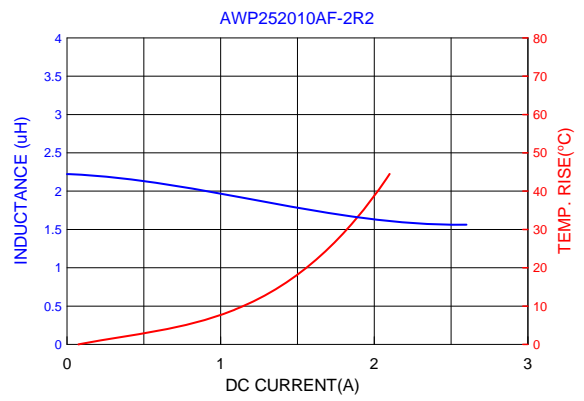
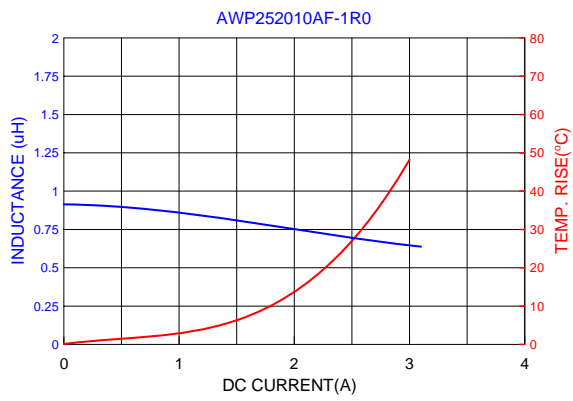
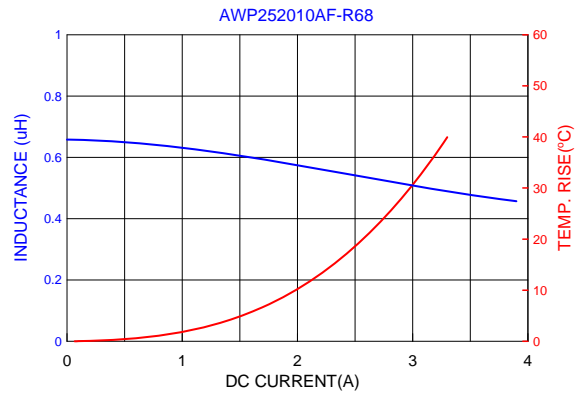
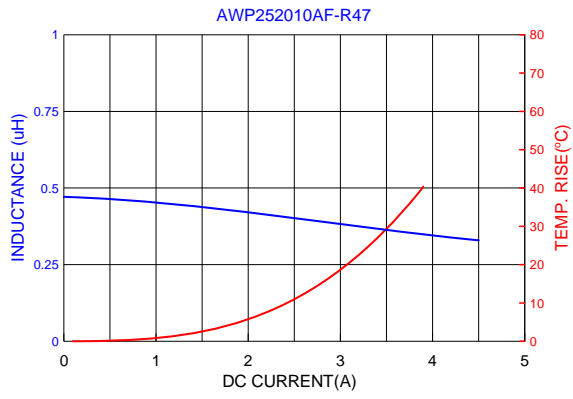
TAI-TECH Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω)		I sat (A)		I rms (A)	
			max.	typ.	max.	typ.	max.	typ.
AWP252010AF-R47M	0.47±20%	1V/1M	0.048	0.040	4.00	4.50	3.20	3.60
AWP252010AF-R68M	0.68±20%	1V/1M	0.070	0.058	3.70	4.00	2.90	3.20
AWP252010AF-1R0M	1.0±20%	1V/1M	0.079	0.066	2.70	3.00	2.50	2.70
AWP252010AF-2R2M	2.2±20%	1V/1M	0.168	0.140	1.90	2.10	1.50	1.80
AWP252010AF-4R7M	4.7±20%	1V/1M	0.324	0.270	1.30	1.50	1.10	1.30

Note:

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

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

5. Typical Performance Curves



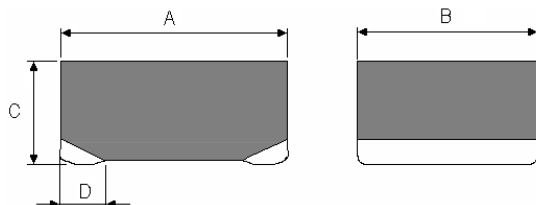
1.Features

1. This specification applies Low Profile Power Inductors.
2. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



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2.Dimensions



Size	A(mm)	B(mm)	C(mm)	D(mm)
252010	2.5±0.2	2.0±0.2	1.0 max.	0.5±0.3

3.Part Numbering

AWP **252010** **UF** - **1R0** **M**

A: Series
B: Dimension
C: Material
D: Inductance
E: Inductance Tolerance

1R0=1.0uH
M=±20%

4.Specification

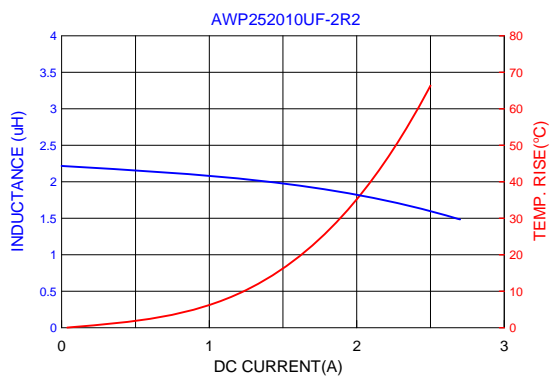
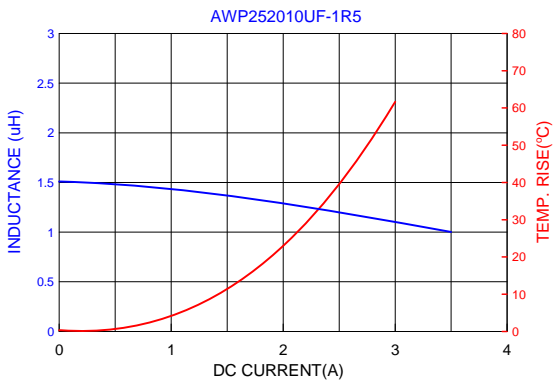
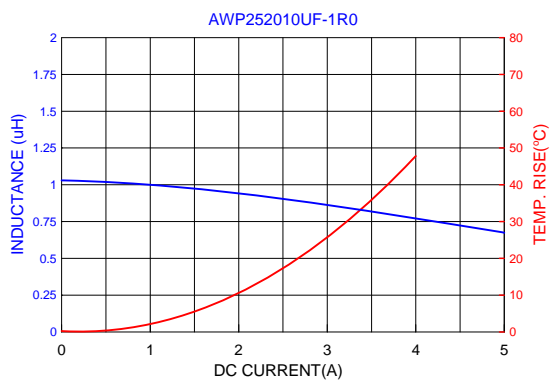
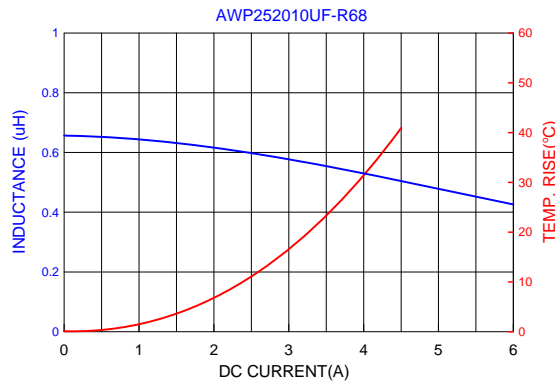
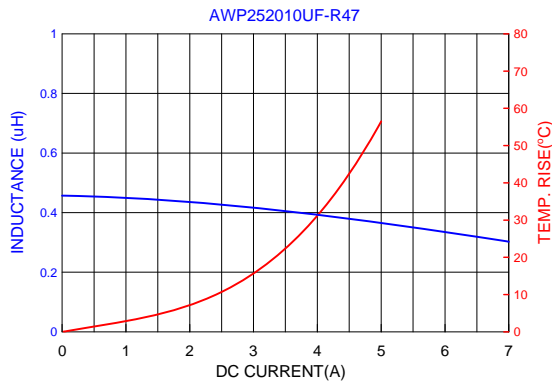
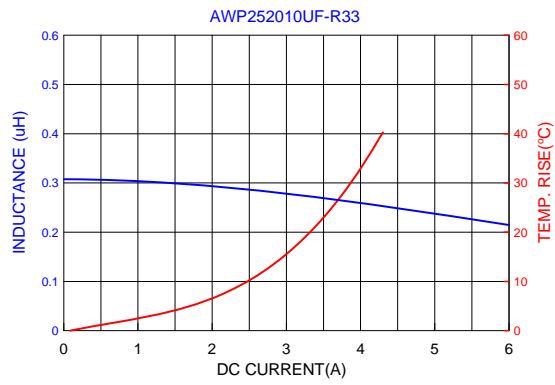
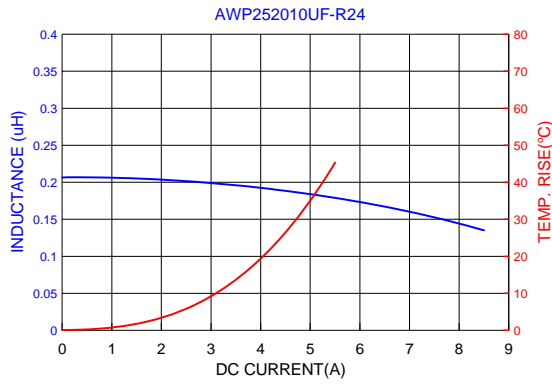
TAI-TECH Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω)		I sat (A)		I rms (A)	
			max.	typ.	max.	typ.	max.	typ.
AWP252010UF-R24Y	0.24±30%	1V/1M	0.021	0.018	7.5	8.0	4.9	5.1
AWP252010UF-R33M	0.33±20%	1V/1M	0.028	0.023	5.50	6.00	4.00	4.40
AWP252010UF-R47M	0.47±20%	1V/1M	0.032	0.026	5.00	5.50	3.70	4.00
AWP252010UF-R68M	0.68±20%	1V/1M	0.043	0.035	4.30	4.70	3.40	3.70
AWP252010UF-1R0M	1.0±20%	1V/1M	0.064	0.051	3.60	4.00	3.00	3.30
AWP252010UF-1R5M	1.5±20%	1V/1M	0.091	0.076	2.8	3.2	2.3	2.5
AWP252010UF-2R2M	2.2±20%	1V/1M	0.124	0.104	2.4	2.6	1.8	2.1

Note:

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

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

5. Typical Performance Curves



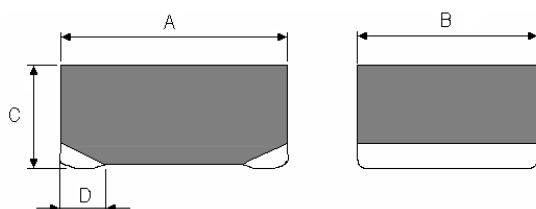
1. Features

1. This specification applies Low Profile Power Inductors.
2. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



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2. Dimensions



Size	A(mm)	B(mm)	C(mm)	D(mm)
252012	2.5±0.2	2.0±0.2	1.2 max.	0.5±0.3

3. Part Numbering

AWP **252012** **AF** - **R47** **M**

A: Series
 B: Dimension
 C: Material
 D: Inductance R47=0.47uH
 E: Inductance Tolerance M=±20%

4. Specification

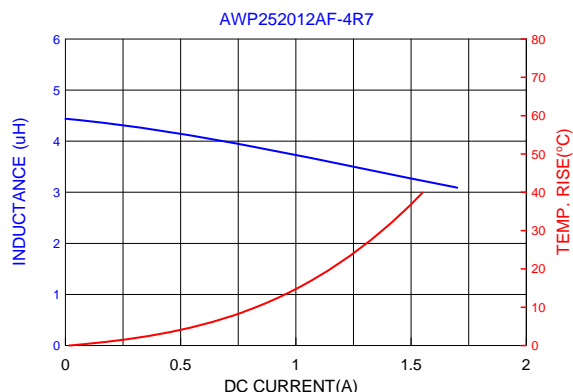
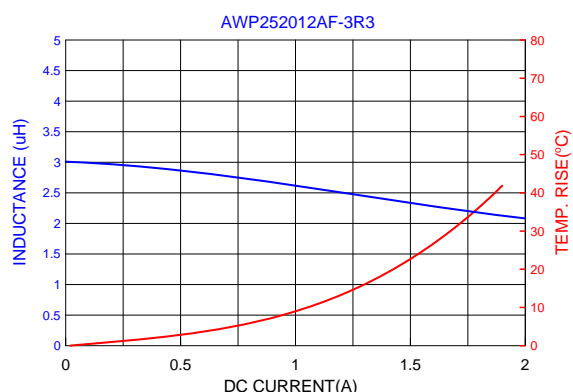
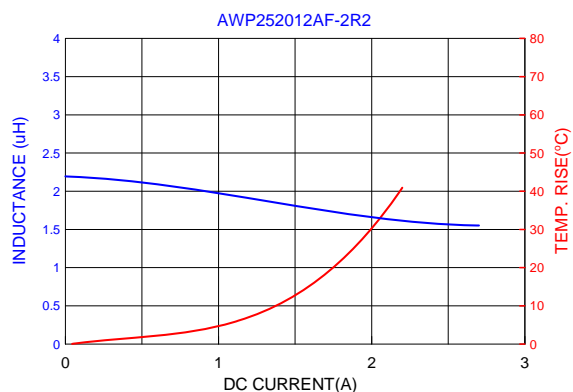
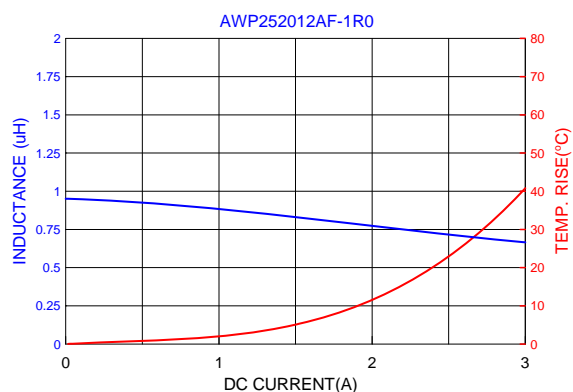
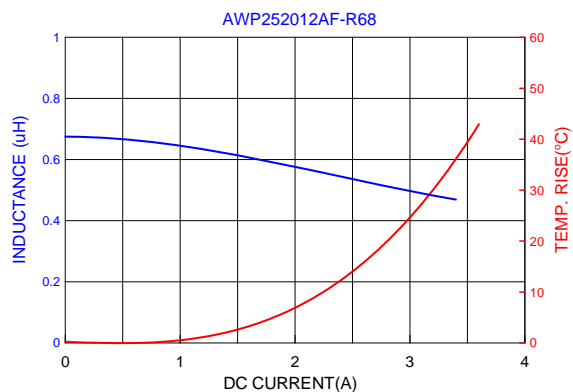
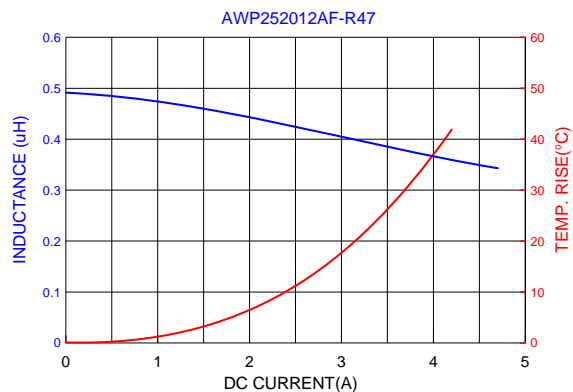
TAI-TECH Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω)		I sat (A)		I rms (A)	
			max.	typ.	max.	typ.	max.	typ.
AWP252012AF-R47M	0.47±20%	1V/1M	0.039	0.029	4.00	4.50	3.50	3.80
AWP252012AF-R68M	0.68±20%	1V/1M	0.056	0.046	3.10	3.50	3.00	3.30
AWP252012AF-1R0M	1.0±20%	1V/1M	0.065	0.054	2.70	3.00	2.70	2.90
AWP252012AF-2R2M	2.2±20%	1V/1M	0.125	0.104	2.20	2.50	2.00	2.20
AWP252012AF-3R3M	3.3±20%	1V/1M	0.167	0.139	1.70	1.90	1.70	1.90
AWP252012AF-4R7M	4.7±20%	1V/1M	0.260	0.198	1.40	1.60	1.40	1.60

Note:

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

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

5. Typical Performance Curves



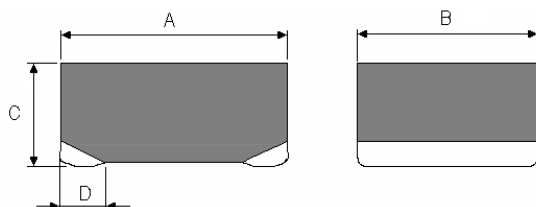
1.Features

1. This specification applies Low Profile Power Inductors.
2. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



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2.Dimensions



Size	A(mm)	B(mm)	C(mm)	D(mm)
252012	2.5±0.2	2.0±0.2	1.2 max.	0.5±0.3

3.Part Numbering

AWP **252012** **UF** - **1R0** **M**

A: Series
 B: Dimension
 C: Material
 D: Inductance
 E: Inductance Tolerance

1R0=1.0uH
 M=±20%

4.Specification

TAI-TECH Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω)		I sat (A)		I rms (A)	
			max.	typ.	max.	typ.	max.	typ.
AWP252012UF-R24Y	0.24±30%	1V/1M	0.021	0.016	7.5	9.0	5.0	5.4
AWP252012UF-R33M	0.33±20%	1V/1M	0.024	0.020	6.6	7.1	4.4	4.8
AWP252012UF-R47M	0.47±20%	1V/1M	0.029	0.024	5.5	6.0	4.1	4.5
AWP252012UF-R68M	0.68±20%	1V/1M	0.036	0.027	5.1	5.4	3.5	4.0
AWP252012UF-1R0M	1.0±20%	1V/1M	0.046	0.038	4.1	4.6	3.1	3.5
AWP252012UF-1R5M	1.5±20%	1V/1M	0.067	0.056	3.0	3.5	2.6	3.0
AWP252012UF-2R2M	2.2±20%	1V/1M	0.091	0.076	2.8	3.1	2.2	2.5

Note:

Isat : Based on inductance change ($\Delta L/L0 : \leq -30\%$) @ ambient temp. 25°C

Irms : Based on temperature rise ($\Delta T : 40^\circ\text{C}$.) Max

5. Typical Performance Curves

