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AUPI06 SERIES

HIGH POWER INDUCTOR

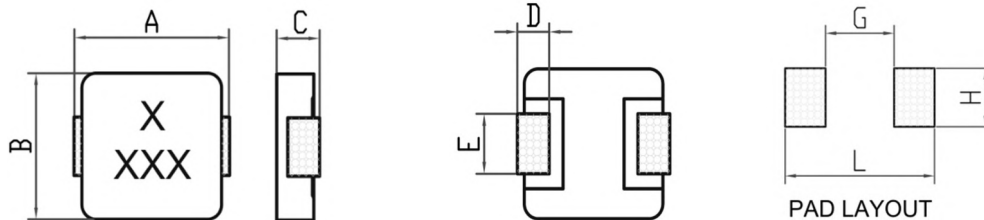
Applications:

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- Automotive reliability comply with **AEC-Q200** grade 0
- DC/DC converters for entertainment/navigation systems
- Noise suppression for motors
- LED drivers

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Shape and Dimensions(Dimensions are in mm)



Item	A Max	B Max	C Max	D	E	G	H	L
AUPI0603	7.10±0.2	6.60±0.2	2.80±0.2	1.60±0.3	3.00±0.5	3.70	3.50	8.00
AUPI0604	7.10±0.2	6.60±0.2	3.80±0.2	1.60±0.3	3.00±0.5	3.70	3.50	8.00

Features :

- High performance (Isat) realized by metal dust core.
- Low loss realized with low DCR.
- Compliance with ROHS and Halogen Free

Product Identification:

AUPI 0603 – 1R0 M

(1) (2) (3) (4)

(1) Product Symbol

(2) Dimensions Code

(3) Inductance: **1R0** for **1.0** uH.

(4) Inductance tolerance: **M**: ± 20%

Characteristics:

- Saturation Current (Isat) : The current will cause L0 to drop approximately 30% typical
- Temperature Rise(Irms) : The current will cause the coil temperature rise approximately $\Delta T=40^{\circ}\text{C}$.
- Operating Temperature : -55°C to 155°C .

Measurement equipment:

- L : Wayne kerr 3260B LCR meter
Wayne kerr 3265B bias current source.
- DCR: Chroma 16502 Milliohm Meter
- IWT test: Chroma 19301(A).(Impulse winding test)

● AUPI0603 Series

Part No.	Inductance L0 (uH)	DCR(mΩ)		Isat(A)		Irms(A)		E(mm) ±0.5
		Typ.	Max.	Typ.	Max.	Typ.	Max.	
AUPI0603-R47M	0.47	3.7	4.2	24.0	21.0	16.0	15.0	3.0
AUPI0603-1R0M	1.0	7.0	8.0	20.0	17.0	15.0	12.0	3.0
AUPI0603-2R2M	2.2	14.5	16.5	13.0	11.0	10.0	9.0	3.0
AUPI0603-3R3M	3.3	23.5	26.0	12.0	10.0	8.0	7.0	3.0
AUPI0603-4R7M	4.7	30.5	40.0	11.0	9.0	6.5	5.5	3.0
AUPI0603-6R8M	6.8	45.0	48.0	7.0	6.0	5.5	4.5	3.0
AUPI0603-100M	10.0	57.0	80.0	6.0	5.0	5.0	4.0	3.0
AUPI0603-150M	15.0	110.0	118.0	4.5	3.8	3.5	3.3	3.0
AUPI0603-220M	22.0	130.0	145.0	4.0	3.5	3.3	3.0	3.0

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25°C.

Note 2: Test Condition: 100kHz, 0.25 Vrms.

Note 3: Isat (Typ): DC current (A) that will cause L0 to drop approximately 30%

Isat (Max): DC current (A) that will cause L0 to drop 30% Max

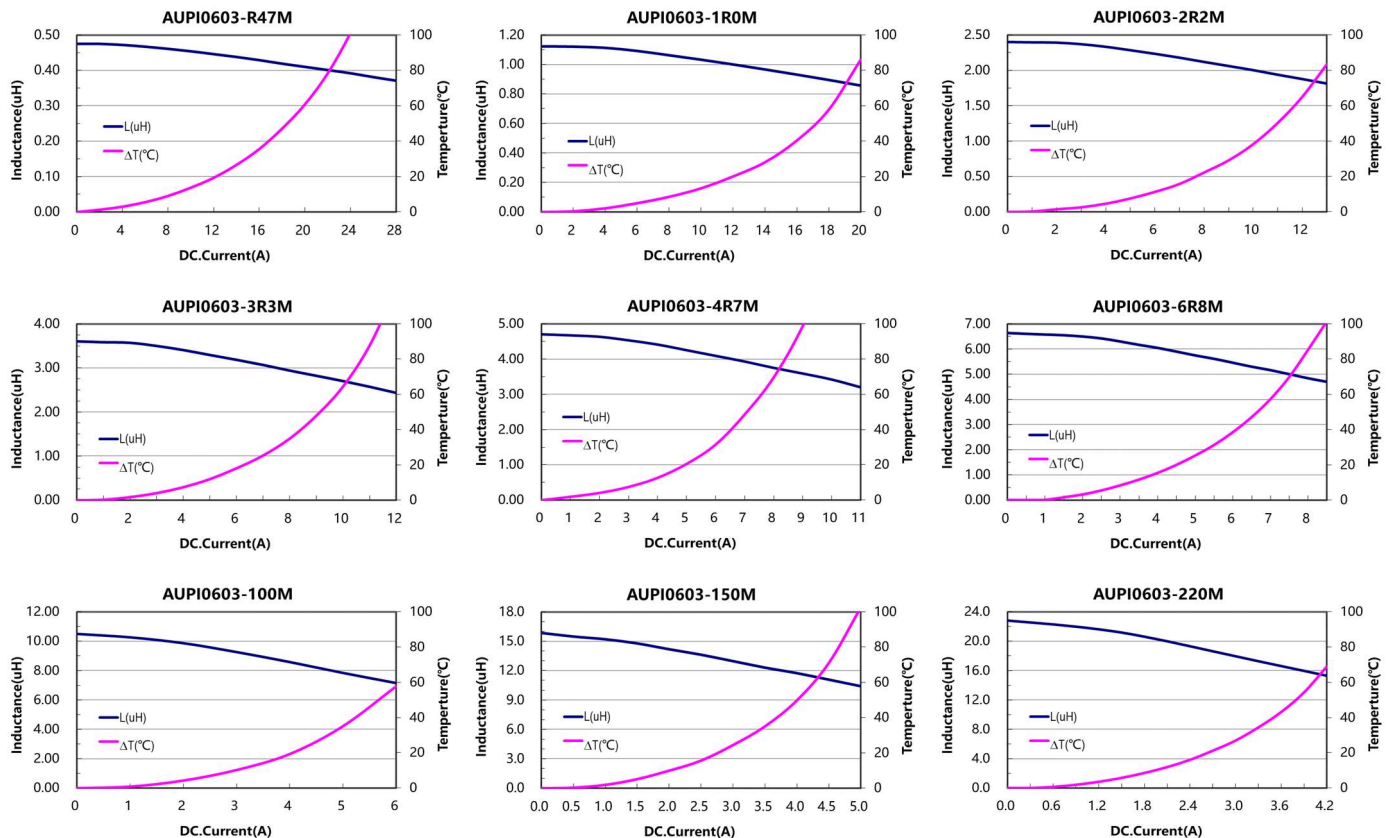
Irms (Typ): DC current (A) that will cause an approximate ΔT of 40°C

Irms (Max): DC current (A) that will cause an ΔT of 40°C Max

Note 4: Operating Temperature range includes self-temperature rise

Note 5: The rated current as listed is either the saturation current or the heating current depending on which value is lower.

Typical Performance curves:



● AUPI0604 Series

Part No.	Inductance L0 (uH)	DCR(mΩ)		Isat(A)		Irms(A)		E(mm) ±0.5
		Typ.	Max.	Typ.	Max.	Typ.	Max.	
AUPI0604-2R2M	2.2	12.0	14.5	16.0	13.0	11.0	9.0	3.0
AUPI0604-4R7M	4.7	23.5	30.8	11.0	10.0	7.5	6.5	3.0
AUPI0604-100M	10.0	52.5	63.0	5.0	4.5	4.5	4.0	3.0
AUPI0604-150M	15.0	74.0	87.0	4.5	3.8	3.8	3.6	3.0
AUPI0604-220M	22.0	146.5	170.0	4.0	3.5	3.0	2.7	3.0
AUPI0604-330M	33.0	165.0	200.0	3.6	3.0	2.8	2.6	3.0

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25°C.

Note 2: Test Condition: 100kHz, 0.25 Vrms.

Note 3: Isat (Typ): DC current (A) that will cause L0 to drop approximately 30%

Isat (Max): DC current (A) that will cause L0 to drop 30% Max

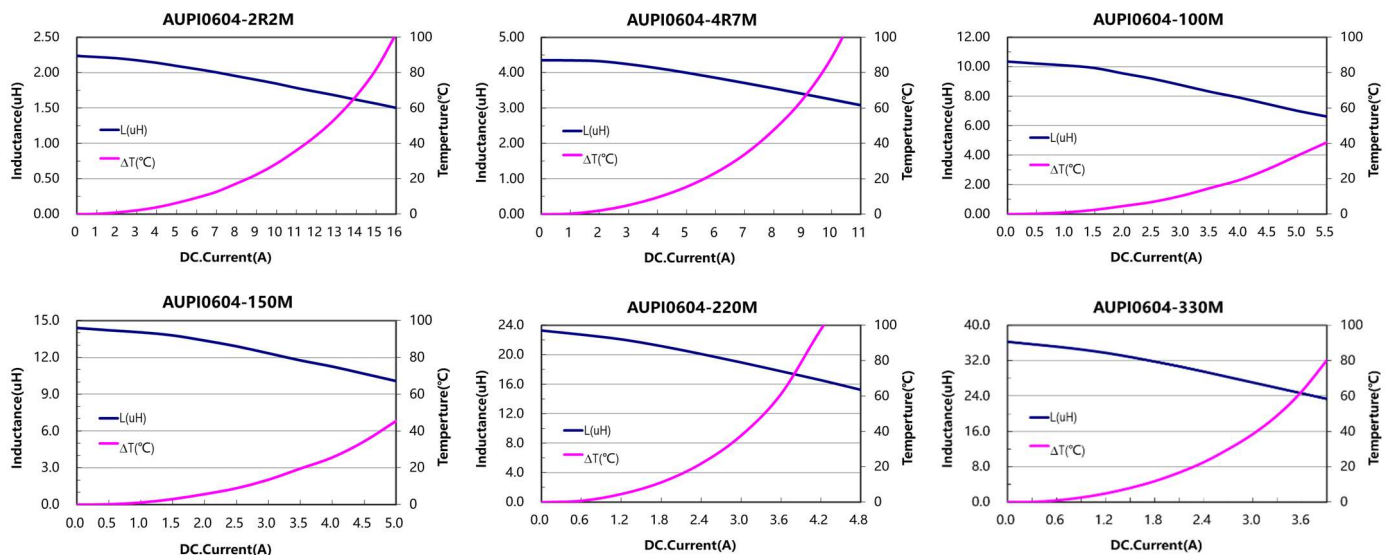
Irms (Typ): DC current (A) that will cause an approximate ΔT of 40°C

Irms (Max): DC current (A) that will cause an ΔT of 40°C Max

Note 4: Operating Temperature range includes self-temperature rise

Note 5: The rated current as listed is either the saturation current or the heating current depending on which value is lower.

Typical Performance curves:



* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others), kindly invite you to access 3L official website www.3lcoil.com for better known.

AUPI08 SERIES

HIGH POWER INDUCTOR

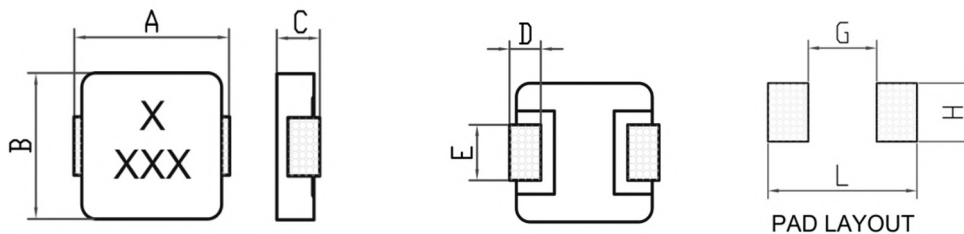
Applications:

- Automotive reliability comply with **AEC-Q200** grade 0
- DC/DC converters for entertainment/navigation systems
- Noise suppression for motors
- LED drivers

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Shape and Dimensions(Dimensions are in mm)



Item	A Max	B Max	C Max	D	E	G	H	L
AUPI0804	8.60±0.3	8.0±0.25	3.80±0.2	1.80±0.3	3.20±0.5	4.60	3.80	10.6
AUPI0854	8.60±0.3	8.0±0.25	5.20±0.2	1.80±0.3	3.20±0.5	4.60	3.80	10.6

Features :

- High performance (Isat) realized by metal dust core.
- Low loss realized with low DCR.
- Compliance with ROHS and Halogen Free

Product Identification:

AUPI 0804 – 1R0 M

(1) (2) (3) (4)

(1) Product Symbol

(2) Dimensions Code

(3) Inductance: **1R0** for **1.0** uH.

(4) Inductance tolerance: **M**: ± 20%

Characteristics:

- Saturation Current (Isat) : The current will cause L0 to drop approximately 30% typical
- Temperature Rise(Irms) : The current will cause the coil temperature rise approximately $\Delta T=40^{\circ}\text{C}$.
- Operating Temperature : -55°C to 155°C .

Measurement equipment:

- L : Wayne kerr 3260B LCR meter
Wayne kerr 3265B bias current source.
- DCR: Chroma 16502 Milliohm Meter
- IWT test: Chroma 19301(A).(Impulse winding test)

● **AUPI0804 Series**

Part No.	Inductance L0 (uH)	DCR(mΩ)		Isat(A)		Irms(A)		E(mm) ±0.5
		Typ.	Max.	Typ.	Max.	Typ.	Max.	
AUPI0804-R33M	0.33	1.10	1.40	49.0	42.0	36.0	30.0	3.2
AUPI0804-R47M	0.47	1.94	2.40	40.0	35.0	26.0	23.0	3.2
AUPI0804-1R0M	1.0	4.82	6.0	21.0	18.0	18.0	16.0	3.2
AUPI0804-1R5M	1.5	6.27	8.0	17.0	15.0	17.0	15.0	3.2
AUPI0804-2R2M	2.2	8.05	10.0	14.5	12.0	12.0	10.0	3.2
AUPI0804-3R3M	3.3	11.5	15.0	13.5	11.5	11.5	9.5	3.2
AUPI0804-4R7M	4.7	17.07	26.0	13.0	11.0	9.0	8.0	3.2
AUPI0804-100M	10.0	43.4	51.8	7.0	6.0	5.4	5.0	3.2
AUPI0804-220M	22.0	71.6	94.2	6.0	5.0	4.5	4.0	3.2
AUPI0804-330M	33.0	121.6	159.0	3.2	2.6	3.1	2.5	3.2

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25°C.

Note 2: Test Condition: 100kHz, 0.25 Vrms.

Note 3: Isat (Typ): DC current (A) that will cause L0 to drop approximately 30%

Isat (Max): DC current (A) that will cause L0 to drop 30% Max

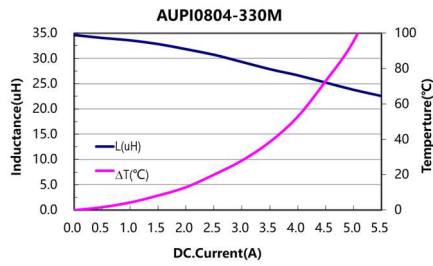
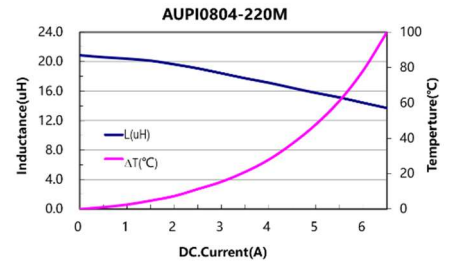
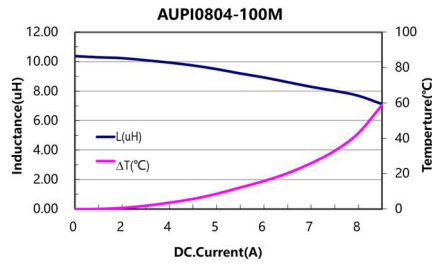
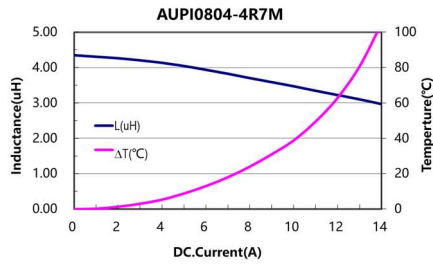
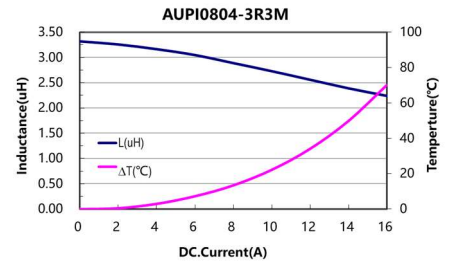
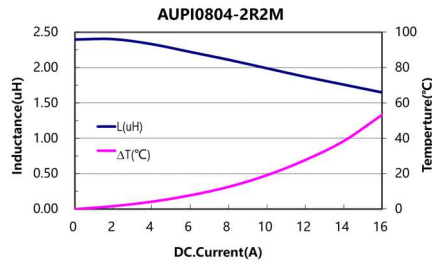
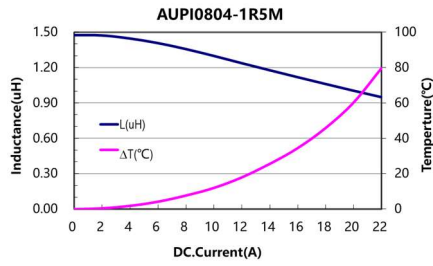
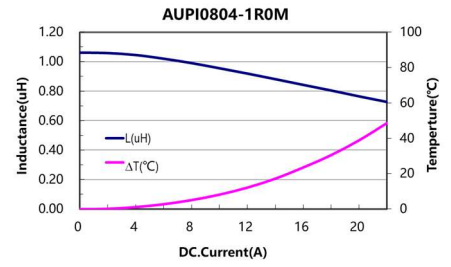
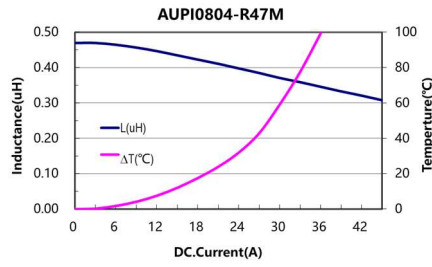
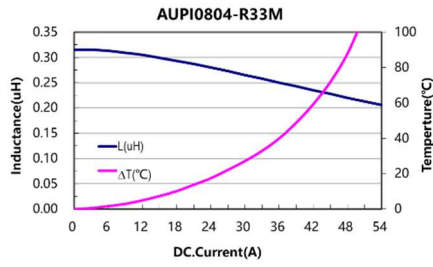
Irms (Typ): DC current (A) that will cause an approximate ΔT of 40°C

Irms (Max): DC current (A) that will cause an ΔT of 40°C Max

Note 4: Operating Temperature range includes self-temperature rise

Note 5: The rated current as listed is either the saturation current or the heating current depending on which value is lower.

Typical Performance curves:





● AUPI0854 Series

Part No.	Inductance L0 (uH)	DCR(mΩ)		Isat(A)		Irms(A)		E(mm) ±0.5
		Typ.	Max.	Typ.	Max.	Typ.	Max.	
AUPI0854-100M	10.0	33.64	40.0	9.0	8.0	7.0	6.0	3.2
AUPI0854-220M	22.0	56.0	70.0	7.2	6.2	5.0	4.0	3.2

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25℃.

Note 2: Test Condition: 100kHz, 0.25 Vrms.

Note 3: Isat (Typ): DC current (A) that will cause L0 to drop approximately 30%

Isat (Max): DC current (A) that will cause L0 to drop 30% Max

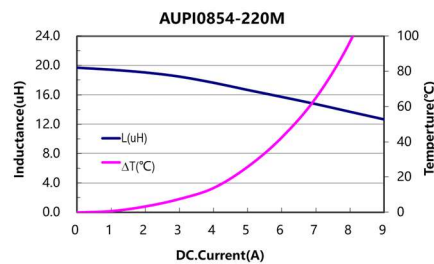
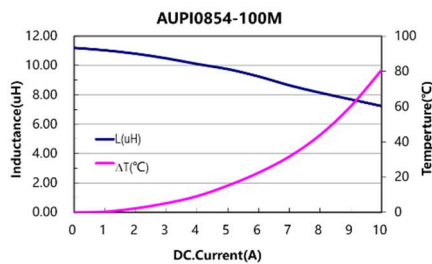
Irms (Typ): DC current (A) that will cause an approximate ΔT of 40℃

Irms (Max): DC current (A) that will cause an ΔT of 40℃ Max

Note 4: Operating Temperature range includes self-temperature rise

Note 5: The rated current as listed is either the saturation current or the heating current depending on which value is lower.

Typical Performance curves:



* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others), kindly invite you to access 3L official website www.3lcoil.com for better known.

AUPI10XXT SERIES

HIGH POWER INDUCTOR

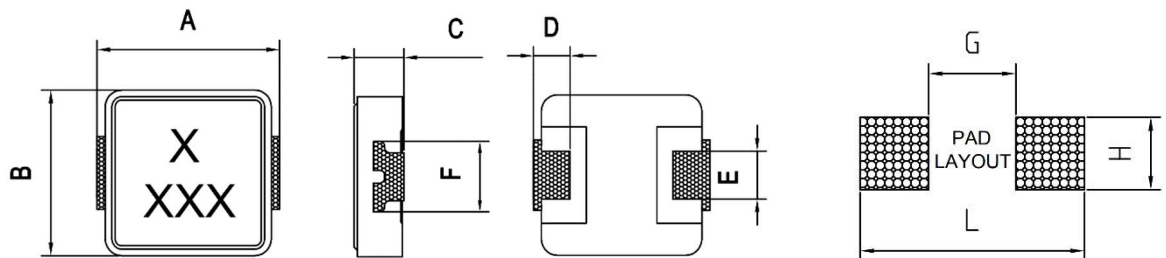
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Applications:

- Automotive reliability comply with **AEC-Q200** grade 0
- DC/DC converters for entertainment/navigation systems
- Noise suppression for motors
- LED drivers

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Shape and Dimensions(Dimensions are in mm)



Item	A	B	C	D	E	F	G	H	L
AUPI1004T	11.0±0.5	10.0±0.3	4.00 Max	2.30±0.3	3.00±0.5	4.40±0.3	5.40	4.50	12.4
AUPI1005T	11.0±0.5	10.0±0.3	5.00 Max	2.30±0.3	3.00±0.5	4.40±0.3	5.40	4.50	12.4
AUPI1054T	11.0±0.5	10.0±0.3	5.40 Max	2.30±0.3	3.00±0.5	4.40±0.3	5.40	4.50	12.4

Features :

- High performance (Isat) realized by metal dust core.
- Low loss realized with low DCR.
- Compliance with ROHS and Halogen Free

Product Identification:

AUPI 1004 T - 1R0 M
(1) (2) (3) (4) (5)

- (1) Product Symbol
- (2) Dimensions Code
- (3) Product Series (T)
- (4) Inductance: **1R0** for **1.0** uH.
- (5) Inductance tolerance: **M**: ± 20%

Characteristics:

- Saturation Current (Isat) : The current will cause L0 to drop approximately 30% typical
- Temperature Rise(Irms) : The current will cause the coil temperature rise approximately $\Delta T=40^{\circ}\text{C}$.
- Operating Temperature : -55°C to 155°C .

Measurement equipment:

- L : Wayne kerr 3260B LCR meter Wayne kerr 3265B bias current source.
- DCR:Chroma16502 Milliohm Meter
- IWT test: Chroma 19301(A).(Impulse winding test)



● **AUPI1004T Series**

Part No.	Inductance L0 (uH)	DCR(mΩ)		Isat(A)		Irms(A)	
		Typ.	Max.	Typ.	Max.	Typ.	Max.
AUPI1004T-2R2M	2.2	7.47	9.0	25.0	22.0	16.0	12.0
AUPI1004T-3R3M	3.3	10.3	11.8	22.0	18.0	14.0	11.5
AUPI1004T-4R7M	4.7	13.5	16.2	16.0	14.0	13.0	9.5
AUPI1004T-6R8M	6.8	20.4	22.5	13.0	11.0	8.5	7.0
AUPI1004T-100M	10.0	30.5	36.5	9.0	8.0	7.5	5.5
AUPI1004T-150M	15.0	39.5	48.0	8.0	6.5	6.0	4.6
AUPI1004T-220M	22.0	63.5	68.0	6.4	5.0	4.5	4.0
AUPI1004T-330M	33.0	91.0	102.0	5.0	4.2	4.3	3.5
AUPI1004T-470M	47.0	139.7	150.0	3.6	3.2	3.3	3.0

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25°C.

Note 2: Test Condition: 100kHz, 0.25 Vrms.

Note 3: Isat (Typ): DC current (A) that will cause L0 to drop approximately 30%

Isat (Max): DC current (A) that will cause L0 to drop 30% Max

Irms (Typ): DC current (A) that will cause an approximate ΔT of 40°C

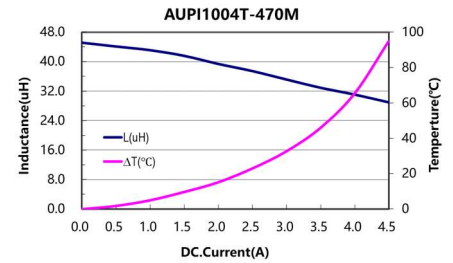
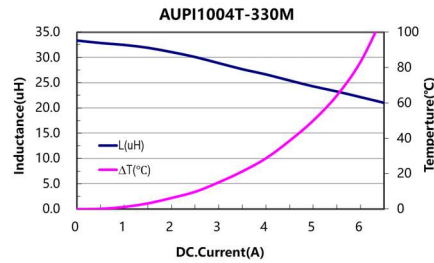
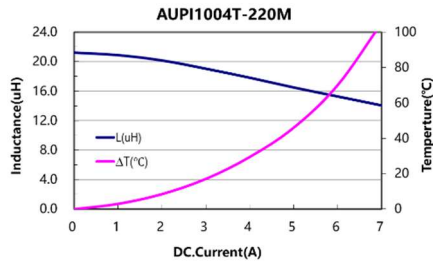
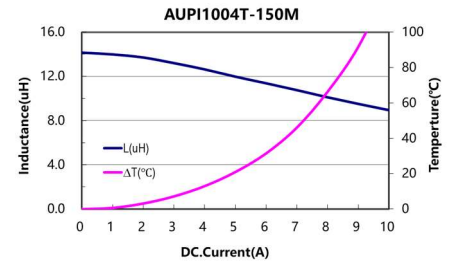
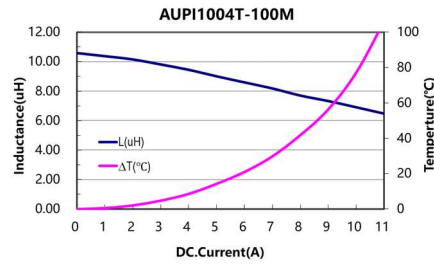
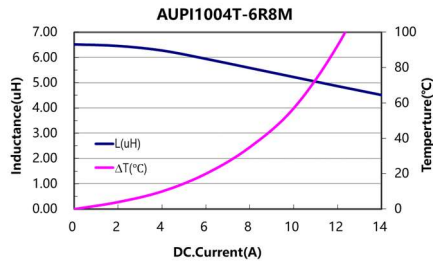
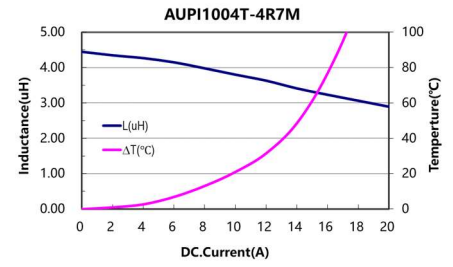
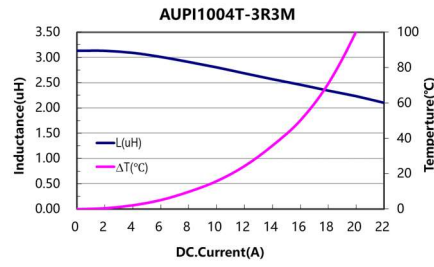
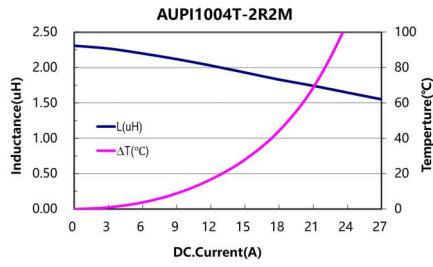
Irms (Max): DC current (A) that will cause an ΔT of 40°C Max

Note 4: Operating Temperature range includes self-temperature rise

Note 5: The rated current as listed is either the saturation current or the heating current depending on which value is lower.



Typical Performance curves:



● AUPI1005T Series

Part No.	Inductance L0 (uH)	DCR(mΩ)		Isat(A)		Irms(A)	
		Typ.	Max.	Typ.	Max.	Typ.	Max.
AUPI1005T-3R3M	3.3	8.46	10.2	20.0	18.0	15.0	13.0
AUPI1005T-100M	10.0	24.1	28.0	14.0	12.7	8.5	7.8
AUPI1005T-220M	22.0	47.5	53.0	6.5	5.0	6.0	5.0

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25°C.

Note 2: Test Condition: 100kHz, 0.25 Vrms.

Note 3: Isat (Typ): DC current (A) that will cause L0 to drop approximately 30%

Isat (Max): DC current (A) that will cause L0 to drop 30% Max

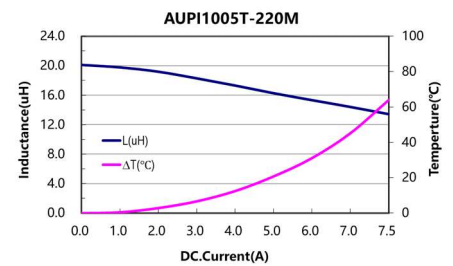
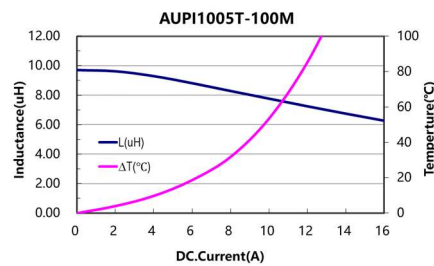
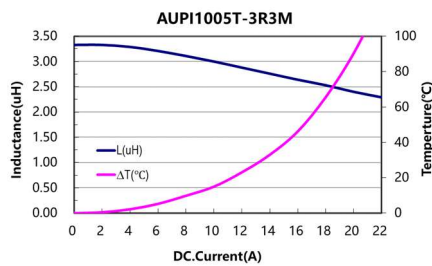
Irms (Typ): DC current (A) that will cause an approximate ΔT of 40°C

Irms (Max): DC current (A) that will cause an ΔT of 40°C Max

Note 4: Operating Temperature range includes self-temperature rise

Note 5: The rated current as listed is either the saturation current or the heating current depending on which value is lower.

Typical Performance curves:



● AUPI1054T Series

Part No.	Inductance L0 (uH)	DCR(mΩ)		Isat(A)		Irms(A)	
		Typ.	Max.	Typ.	Max.	Typ.	Max.
AUPI1054T-4R7M	4.7	9.4	10.5	18.0	15.7	14.5	13.0
AUPI1054T-8R2M	8.2	20.5	22.36	15.0	13.0	10.0	8.5
AUPI1054T-100M	10.0	20.7	24.2	14.5	12.7	9.5	7.8
AUPI1054T-150M	15.0	29.9	36.0	9.5	8.2	8.0	7.0
AUPI1054T-220M	22.0	52.5	62.0	8.8	7.5	6.0	5.4
AUPI1054T-330M	33.0	78.2	90.0	6.5	5.5	4.8	4.3

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25°C.

Note 2: Test Condition: 100kHz, 0.25 Vrms.

Note 3: Isat (Typ): DC current (A) that will cause L0 to drop approximately 30%

Isat (Max): DC current (A) that will cause L0 to drop 30% Max

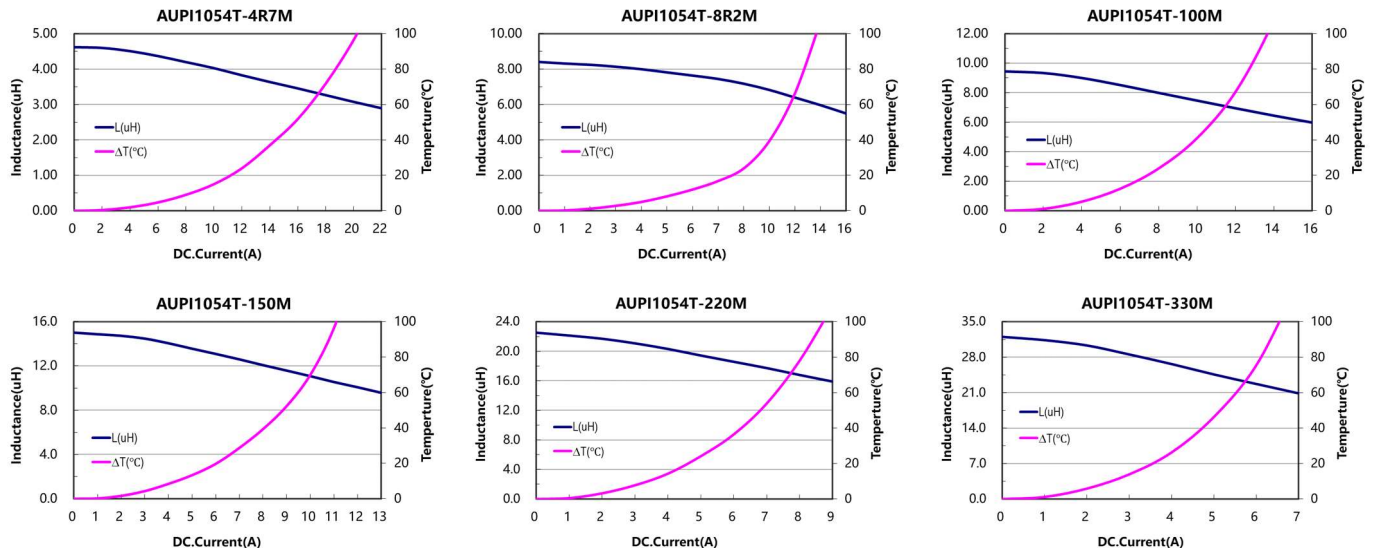
Irms (Typ): DC current (A) that will cause an approximate ΔT of 40°C

Irms (Max): DC current (A) that will cause an ΔT of 40°C Max

Note 4: Operating Temperature range includes self-temperature rise

Note 5: The rated current as listed is either the saturation current or the heating current depending on which value is lower.

Typical Performance curves:



Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others), kindly invite you to access 3L official website www.3lcoil.com for better known.

AUPI1004T-G SERIES

HIGH POWER INDUCTOR

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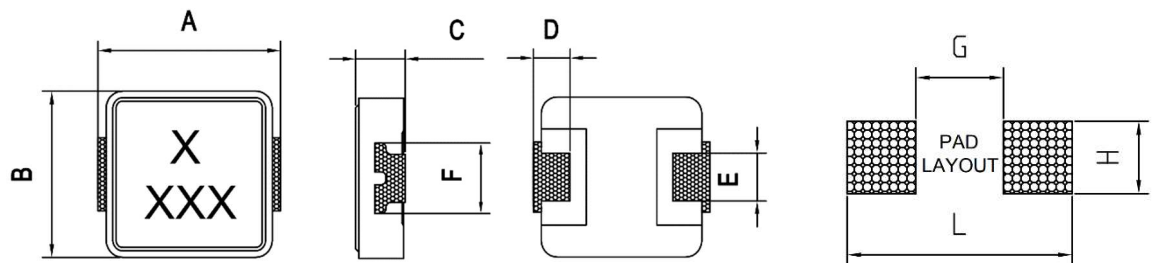
Applications:

- Automotive reliability comply with **AEC-Q200** grade 0
- DC/DC converters for entertainment/navigation systems
- Noise suppression for motors
- LED drivers

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Shape and Dimensions(Dimensions are in mm)



Item	A	B	C	D	E	F	G	H	L
AUPI1004T-G	11.0±0.5	10±0.3	4.0 Max	2.3±0.3	3.0±0.5	4.4±0.3	5.4	4.95	12.4

Features :

- High performance (Isat) realized by metal dust core.
- Low loss realized with low DCR.
- Compliance with ROHS and Halogen Free

Product Identification:

AUP **1004** **I** - **2R2** **M** - **G**
 (1) (2) (3) (4) (5) (6)

- (1) Product Symbol
- (2) Dimensions Code
- (3) Product Series (T)
- (4) Inductance: **2R2** for **2.2** uH.
- (5) Inductance tolerance: **M**: ± 20%
- (6) Powder Type

Characteristics:

- Saturation Current (Isat) : The current will cause L0 to drop approximately 30% typical
- Temperature Rise(Irms) : The current will cause the coil temperature rise approximately ΔT=40℃.
- Operating Temperature : -55℃ to 155℃.

Measurement equipment:

- L : Wayne kerr 3260B LCR meter
Wayne kerr 3265B bias current source.
- DCR:Chroma16502 Milliohm Meter
- IWT test: Chroma 19301(A).(Impulse winding test)

● AUPI1004T-G Series

Part No.	Inductance L0 (uH)	DCR(mΩ)		Isat(A)		Irms(A)	
		Typ.	Max.	Typ.	Max.	Typ.	Max.
AUPI1004T-1R0M-G	1.0	3.63	4.2	32.0	28.0	23.0	20.0
AUPI1004T-2R2M-G	2.2	7.92	9.0	24.0	20.0	15.0	11.0
AUPI1004T-4R7M-G	4.7	14.4	17.0	14.5	13.0	11.0	9.0
AUPI1004T-100M-G	10.0	30.5	36.5	8.5	7.0	7.0	5.5
AUPI1004T-220M-G	22.0	63.3	68.0	5.5	4.6	4.5	4.0

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25°C.

Note 2: Test Condition: 100kHz, 0.25 Vrms.

Note 3: Isat (Typ): DC current (A) that will cause L0 to drop approximately 30%

Isat (Max): DC current (A) that will cause L0 to drop 30% Max

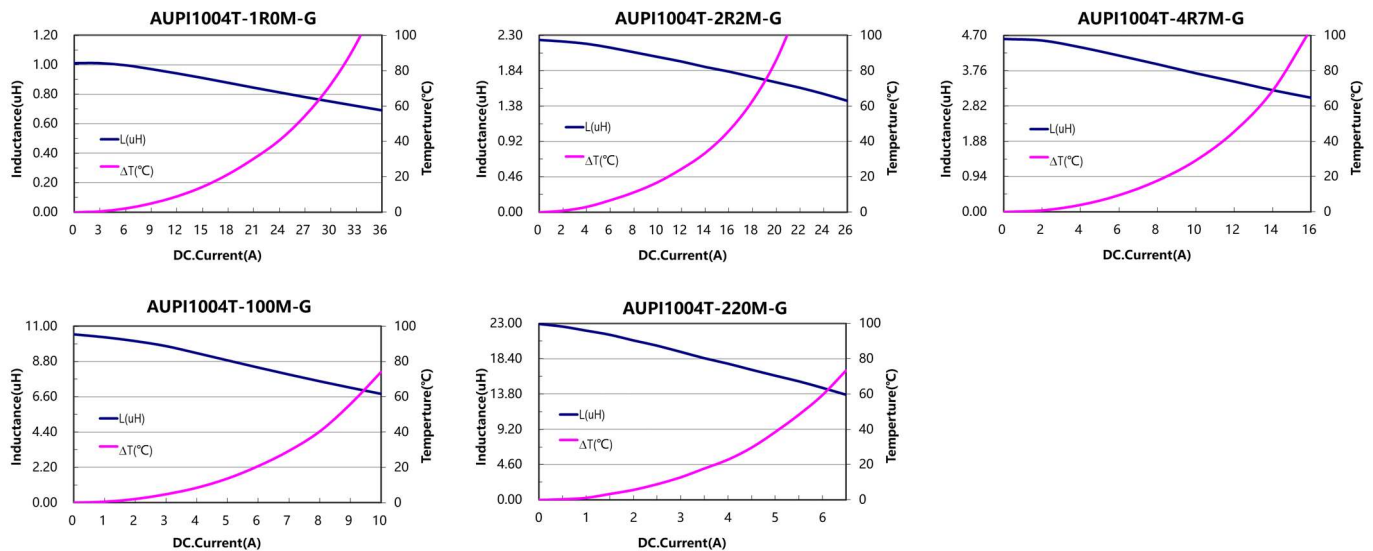
Irms (Typ): DC current (A) that will cause an approximate ΔT of 40°C

Irms (Max): DC current (A) that will cause an ΔT of 40°C Max

Note 4: Operating Temperature range includes self-temperature rise

Note 5: The rated current as listed is either the saturation current or the heating current depending on which value is lower.

Typical Performance curves:



* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others), kindly invite you to access 3L official website www.3lcoil.com for better known.

AUPI12 SERIES

HIGH POWER INDUCTOR

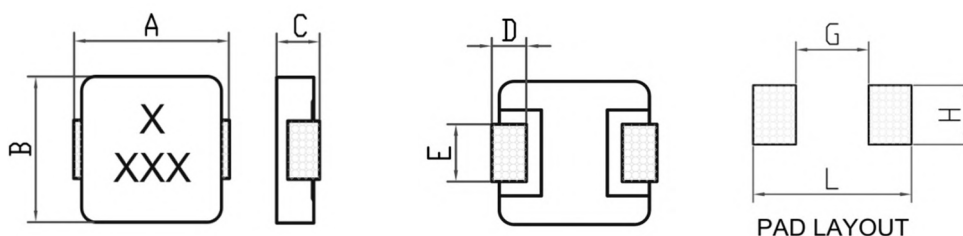
Applications:

- Automotive reliability comply with **AEC-Q200** grade 0
- DC/DC converters for entertainment/navigation systems
- Noise suppression for motors
- LED drivers

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Shape and Dimensions(Dimensions are in mm)



Item	A Max	B Max	C Max	D	E	G	H	L
AUPI1205	13.4±0.5	12.6±0.3	4.80±0.2	2.30±0.3	3.00±0.5	8.00	5.00	14.5
AUPI1265	13.4±0.5	12.6±0.3	6.30±0.2	2.30±0.3	3.00±0.5	8.00	5.00	14.5
AUPI1207	13.4±0.5	12.6±0.3	6.80±0.2	2.30±0.3	3.00±0.5	8.00	5.00	14.5

Features :

- High performance (Isat) realized by metal dust core.
- Low loss realized with low DCR.
- Compliance with ROHS and Halogen Free

Product Identification:

AUPI 1205 – 1R0 M

(1) (2) (3) (4)

(1) Product Symbol

(2) Dimensions Code

(3) Inductance: **1R0** for **1.0** uH.

(4) Inductance tolerance: **M**: ± 20%

Characteristics:

- Saturation Current (Isat) : The current will cause L0 to drop approximately 30% typical
- Temperature Rise(Irms) : The current will cause the coil temperature rise approximately $\Delta T=40^{\circ}\text{C}$.
- Operating Temperature : -55°C to 155°C .

Measurement equipment:

- L : Wayne kerr 3260B LCR meter
Wayne kerr 3265B bias current source.
- DCR: Chroma 16502 Milliohm Meter
- IWT test: Chroma 19301(A).(Impulse winding test)



● AUPI1205 Series

Part No.	Inductance L0 (uH)	DCR(mΩ)		Isat(A)		Irms(A)		E(mm) ±0.5
		Typ.	Max.	Typ.	Max.	Typ.	Max.	
AUPI1205-R47M	0.47	0.87	1.1	62.0	54.0	41.0	36.0	3.0
AUPI1205-R68M	0.68	1.32	1.7	48.5	42.5	34.0	30.0	3.0
AUPI1205-1R0M	1.0	1.86	2.3	44.0	37.0	25.0	22.0	3.0
AUPI1205-2R2M	2.2	4.24	5.2	33.0	28.0	20.0	18.0	3.0
AUPI1205-3R3M	3.3	8.0	9.6	28.0	25.0	15.0	13.0	3.0
AUPI1205-4R7M	4.7	10.9	13.0	22.0	18.5	13.0	11.0	3.0
AUPI1205-100M	10.0	23.3	28.0	13.5	12.0	9.0	8.0	3.0

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25°C.

Note 2: Test Condition: 100kHz, 0.25 Vrms.

Note 3: Isat (Typ): DC current (A) that will cause L0 to drop approximately 30%

Isat (Max): DC current (A) that will cause L0 to drop 30% Max

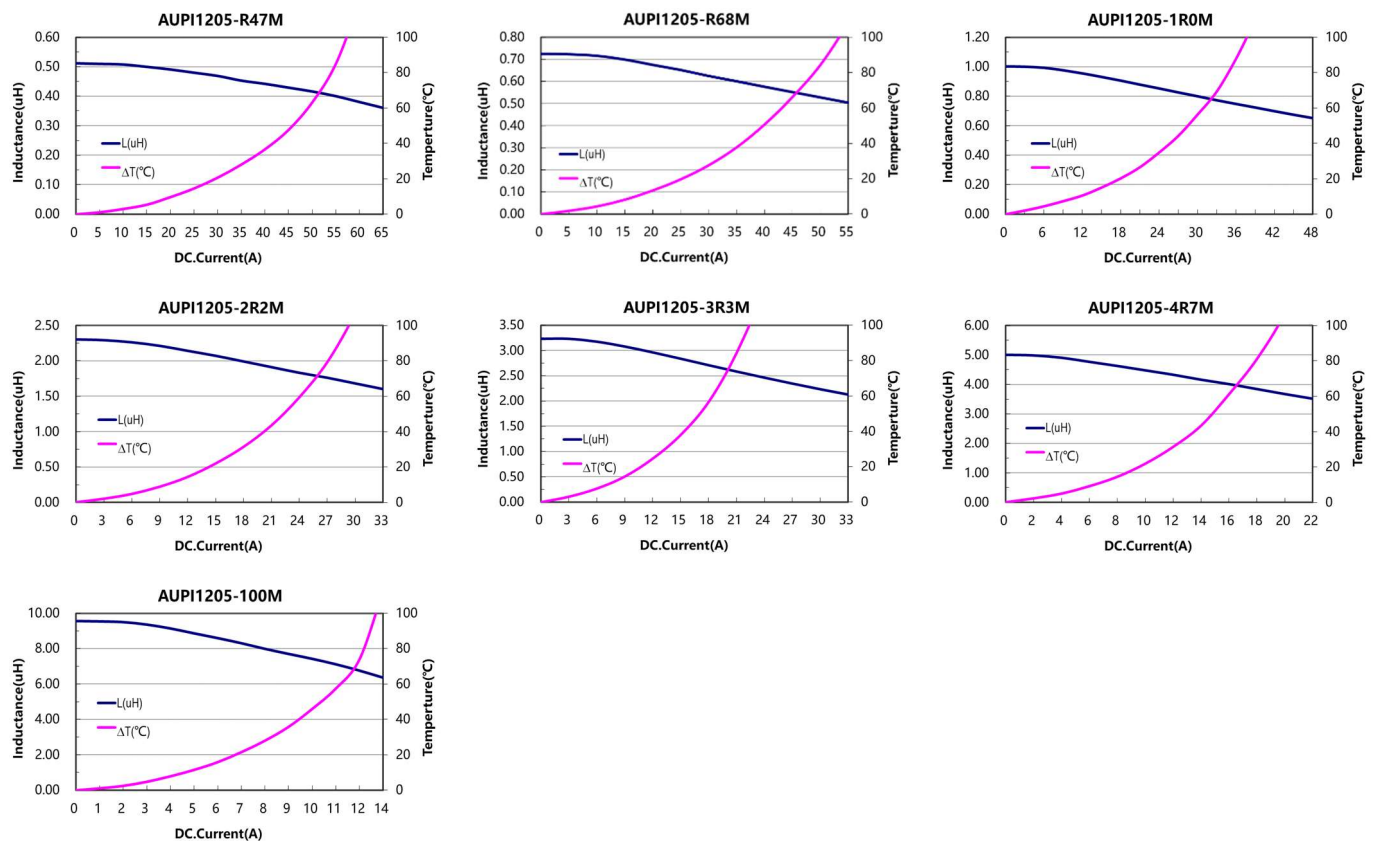
Irms (Typ): DC current (A) that will cause an approximate ΔT of 40°C

Irms (Max): DC current (A) that will cause an ΔT of 40°C Max

Note 4: Operating Temperature range includes self-temperature rise

Note 5: The rated current as listed is either the saturation current or the heating current depending on which value is lower.

Typical Performance curves:



● AUPI1265 Series

Part No.	Inductance L0 (uH)	DCR(mΩ)		Isat(A)		Irms(A)		E(mm) ±0.5
		Typ.	Max.	Typ.	Max.	Typ.	Max.	
AUPI1265-1R5M	1.5	2.58	3.0	48.0	40.0	29.0	27.0	3.0
AUPI1265-3R3M	3.3	4.8	5.7	25.0	22.0	20.0	18.0	3.0
AUPI1265-8R2M	8.2	14.5	15.5	19.0	16.0	12.0	10.5	3.0
AUPI1265-100M	10.0	15.6	18.7	17.0	15.0	11.0	9.0	3.0
AUPI1265-330M	33.0	58.8	70.0	8.5	7.0	6.0	5.0	3.0

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25°C.

Note 2: Test Condition :100kHz ,0.25 Vrms.

Note 3: Isat (Typ): DC current (A) that will cause L0 to drop approximately 30%

Isat (Max): DC current (A) that will cause L0 to drop 30% Max

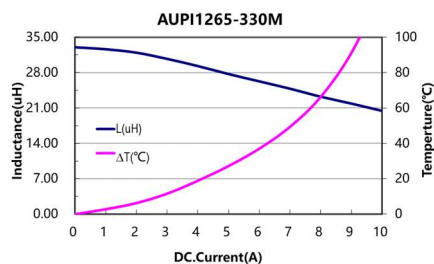
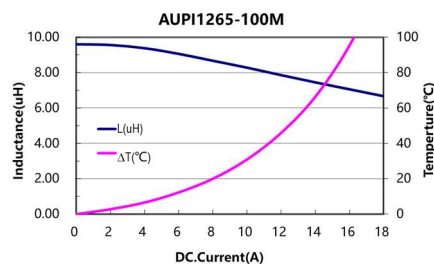
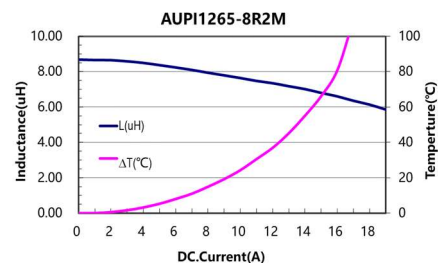
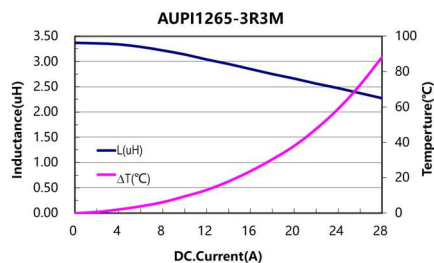
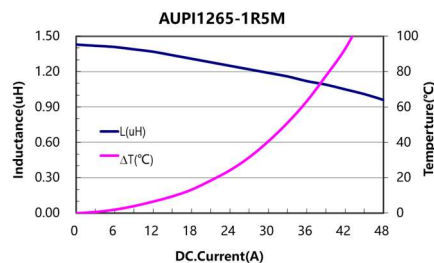
Irms (Typ): DC current (A) that will cause an approximate ΔT of 40°C

Irms (Max): DC current (A) that will cause an ΔT of 40°C Max

Note 4: Operating Temperature range includes self-temperature rise

Note 5: The rated current as listed is either the saturation current or the heating current depending on which value is lower.

Typical Performance curves:



● AUPI1207 Series

Part No.	Inductance L0 (uH)	DCR(mΩ)		Isat(A)		Irms(A)		E(mm) ±0.5
		Typ.	Max.	Typ.	Max.	Typ.	Max.	
AUPI1207-1R0M	1.0	1.43	1.70	40.0	35.0	35.0	32.0	3.0
AUPI1207-1R5M	1.5	2.19	2.50	37.0	33.0	30.0	27.0	3.0
AUPI1207-2R2M	2.2	3.14	4.20	35.0	30.0	27.0	24.0	3.0
AUPI1207-4R7M	4.7	6.40	7.70	28.0	24.0	18.0	15.0	3.0
AUPI1207-6R8M	6.8	11.6	14.0	22.0	19.5	14.0	12.0	3.0
AUPI1207-8R2M	8.2	13.7	16.5	17.0	14.5	12.5	10.5	3.0

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25°C.

Note 2: Test Condition :100kHz ,0.25 Vrms.

Note 3: Isat (Typ): DC current (A) that will cause L0 to drop approximately 30%

Isat (Max): DC current (A) that will cause L0 to drop 30% Max

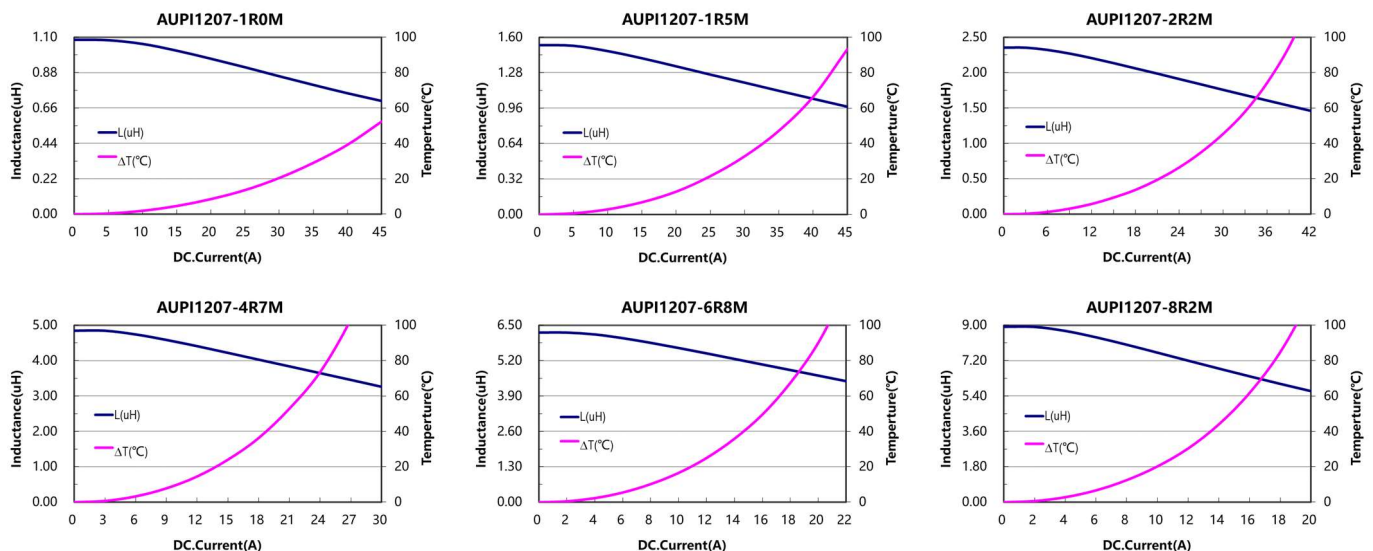
Irms (Typ): DC current (A) that will cause an approximate ΔT of 40°C

Irms (Max): DC current (A) that will cause an ΔT of 40°C Max

Note 4: Operating Temperature range includes self-temperature rise

Note 5: The rated current as listed is either the saturation current or the heating current depending on which value is lower.

Typical Performance curves:



* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others), kindly invite you to access 3L official website www.3lcoil.com for better known.

AUPI12XXT-G SERIES

HIGH POWER INDUCTOR

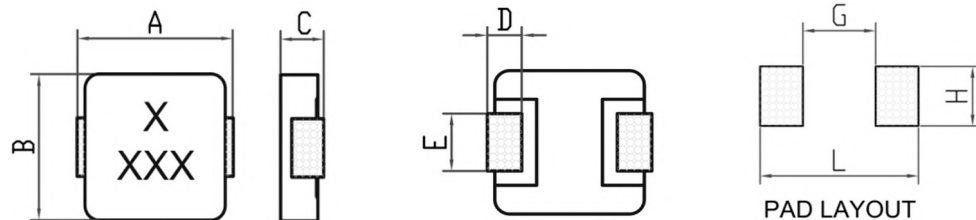
Applications:

- Automotive reliability comply with **AEC-Q200** grade 0
- DC/DC converters for entertainment/navigation systems
- Noise suppression for motors
- LED drivers

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Shape and Dimensions(Dimensions are in mm)



Item	A	B	C	D	E	G	H	L
AUPI1205T-G	13.4±0.5	12.6±0.3	5.0 Max	2.30±0.3	4.70±0.3	8.00	5.00	14.5
AUPI1265T-G	13.4±0.5	12.6±0.3	6.5 Max	2.30±0.3	4.70±0.3	8.00	5.00	14.5

Features :

- High performance (Isat) realized by metal dust core.
- Low loss realized with low DCR.
- Compliance with ROHS and Halogen Free

Product Identification:

AUPI 1205T – 1R0 M – G

(1) (2) (3) (4) (5)

(1) Product Symbol

(2) Dimensions Code

(3) Inductance: **1R0** for **1.0** uH.

(4) Inductance tolerance: **M**: ± 20%

(5) Powder Type

Characteristics:

- Saturation Current (Isat) : The current will cause L0 to drop approximately 30% typical
- Temperature Rise(Irms) : The current will cause the coil temperature rise approximately $\Delta T=40^{\circ}\text{C}$.
- Operating Temperature : -55°C to 155°C .

Measurement equipment:

- L : Wayne kerr 3260B LCR meter
Wayne kerr 3265B bias current source.
- DCR:Chroma16502 Milliohm Meter
- IWT test: Chroma 19301(A).(Impulse winding test)



● AUPI1205T-G Series

Part No.	Inductance L0 (uH)	DCR(mΩ)		Isat(A)		Irms(A)		E(mm) ±0.3
		Typ.	Max.	Typ.	Max.	Typ.	Max.	
AUPI1205T-R22M-G	0.22	0.78	0.95	80.0	65.0	45.0	40.0	4.7
AUPI1205T-1R0M-G	1.0	2.25	2.6	42.0	35.0	30.0	25.0	4.7
AUPI1205T-3R3M-G	3.3	8.0	9.6	25.0	22.0	15.0	13.0	4.7
AUPI1205T-4R7M-G	4.7	9.56	13.0	20.0	16.0	14.0	12.0	4.7
AUPI1205T-6R8M-G	6.8	19.5	15.4	16.0	13.0	12.0	10.5	4.7
AUPI1205T-100M-G	10.0	23.3	28.0	11.5	10.0	9.0	8.0	4.7

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25℃.

Note 2: Test Condition: 100kHz, 0.25 Vrms.

Note 3: Isat (Typ): DC current (A) that will cause L0 to drop approximately 30%

Isat (Max): DC current (A) that will cause L0 to drop 30% Max

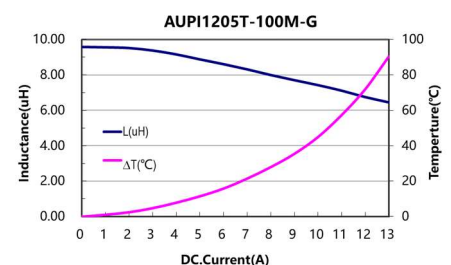
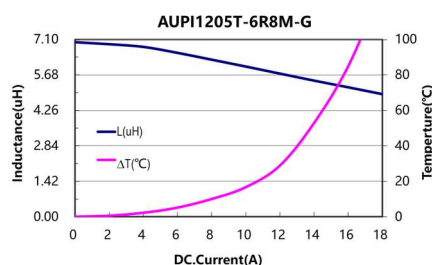
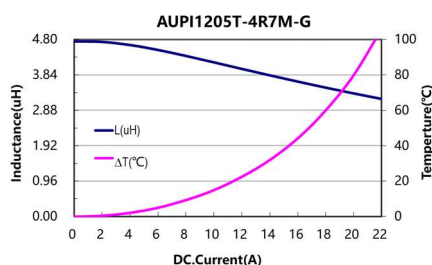
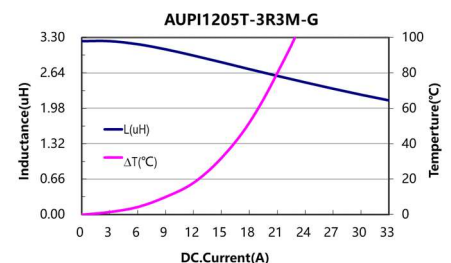
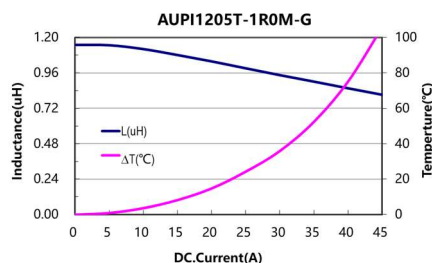
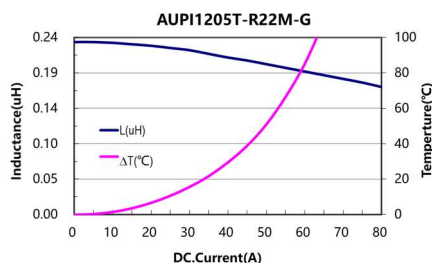
Irms (Typ): DC current (A) that will cause an approximate ΔT of 40℃

Irms (Max): DC current (A) that will cause an ΔT of 40℃ Max

Note 4: Operating Temperature range includes self-temperature rise

Note 5: The rated current as listed is either the saturation current or the heating current depending on which value is lower.

Typical Performance curves:



● AUPI1265T-G Series

Part No.	Inductance L0 (uH)	DCR(mΩ)		Isat(A)		Irms(A)		E(mm) ±0.3
		Typ.	Max.	Typ.	Max.	Typ.	Max.	
AUPI1265T-R47M-G	0.47	1.15	1.4	53.0	46.0	40.0	35.0	4.7
AUPI1265T-1R0M-G	1.0	1.89	2.3	37.0	32.0	32.0	28.0	4.7
AUPI1265T-1R5M-G	1.5	2.80	3.4	35.0	30.0	26.0	23.0	4.7
AUPI1265T-4R7M-G	4.7	6.76	8.0	23.0	20.0	19.0	16.0	4.7
AUPI1265T-8R2M-G	8.2	14.5	15.5	17.0	15.0	12.0	10.5	4.7
AUPI1265T-100M-G	10.0	15.16	18.0	15.0	13.0	11.0	9.0	4.7
AUPI1265T-330M-G	33.0	58.8	70.0	7.0	6.0	6.0	5.0	4.7

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25℃.

Note 2: Test Condition: 100kHz, 0.25 Vrms.

Note 3: Isat (Typ): DC current (A) that will cause L0 to drop approximately 30%

Isat (Max): DC current (A) that will cause L0 to drop 30% Max

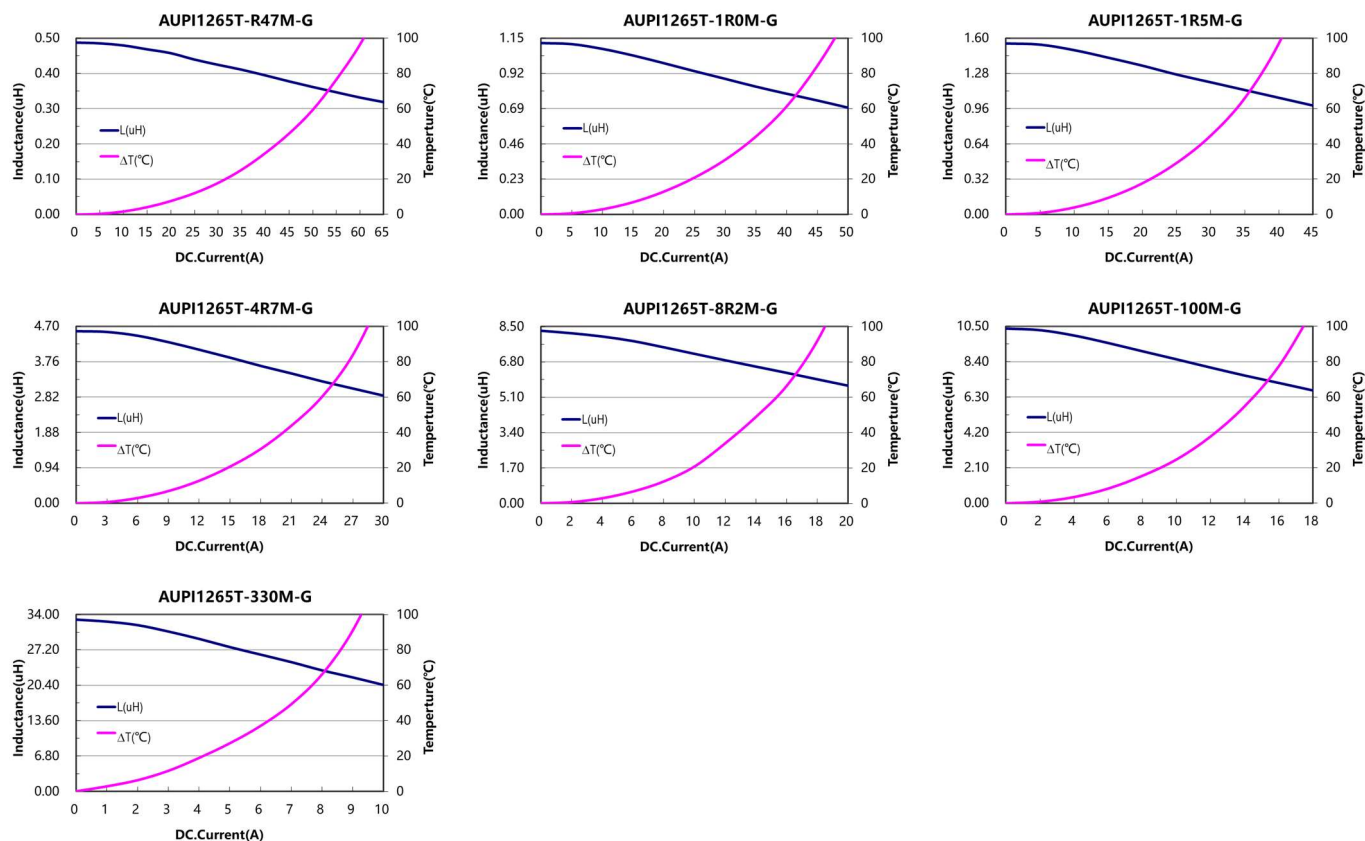
Irms (Typ): DC current (A) that will cause an approximate ΔT of 40℃

Irms (Max): DC current (A) that will cause an ΔT of 40℃ Max

Note 4: Operating Temperature range includes self-temperature rise

Note 5: The rated current as listed is either the saturation current or the heating current depending on which value is lower.

Typical Performance curves:



* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others), kindly invite you to access 3L official website www.3lcoil.com for better known.

AUPI17 SERIES

HIGH POWER INDUCTOR

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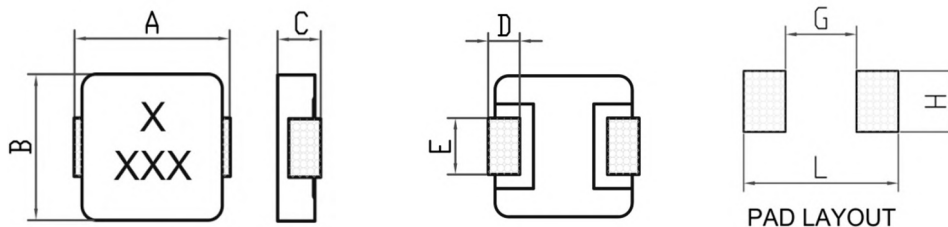
Applications:

- Automotive reliability comply with **AEC-Q200** grade 0
- DC/DC converters for entertainment/navigation systems
- Noise suppression for motors
- LED drivers

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Shape and Dimensions(Dimensions are in mm)



Item	A Max	B Max	C Max	D	E	G	H	L
AUPI1707	17.3±0.5	17.0±0.3	6.70±0.3	2.10±0.3	12.0±0.3	11.7	12.2	18.0

Features :

- High performance (Isat) realized by metal dust core.
- Low loss realized with low DCR.
- Compliance with ROHS and Halogen Free

Product Identification:

AUPI 1707 – 1R0 M

(1) (2) (3) (4)

(1) Product Symbol

(2) Dimensions Code

(3) Inductance: **1R0** for **1.0** uH.

(4) Inductance tolerance: **M**: ± 20%

Characteristics:

- Saturation Current (Isat) : The current will cause L0 to drop approximately 30% typical
- Temperature Rise(Irms) : The current will cause the coil temperature rise approximately $\Delta T=40^{\circ}\text{C}$.
- Operating Temperature : -55°C to 155°C .

Measurement equipment:

- L : Wayne kerr 3260B LCR meter
Wayne kerr 3265B bias current source.
- DCR: Chroma 16502 Milliohm Meter
- IWT test: Chroma 19301(A). (Impulse winding test)

● AUPI1707 Series

Part No.	Inductance L0 (uH)	DCR(mΩ)		Isat(A)		Irms(A)		E(mm) ±0.3
		Typ.	Max.	Typ.	Max.	Typ.	Max.	
AUPI1707-1R5M	1.5	1.67	1.9	60.0	50.0	50.0	45.0	12.0
AUPI1707-3R3M	3.3	2.6	3.1	40.0	35.0	35.0	32.0	12.0
AUPI1707-4R7M	4.7	4.5	5.4	35.0	30.0	30.0	27.0	12.0
AUPI1707-6R8M	6.8	6.9	7.5	33.0	25.0	23.0	21.0	12.0
AUPI1707-8R2M	8.2	7.9	8.6	30.0	22.0	21.0	16.0	12.0
AUPI1707-100M	10.0	8.8	10.0	27.0	20.0	19.0	15.0	12.0

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25°C.

Note 2: Test Condition: 100kHz, 0.25 Vrms.

Note 3: Isat (Typ): DC current (A) that will cause L0 to drop approximately 30%

Isat (Max): DC current (A) that will cause L0 to drop 30% Max

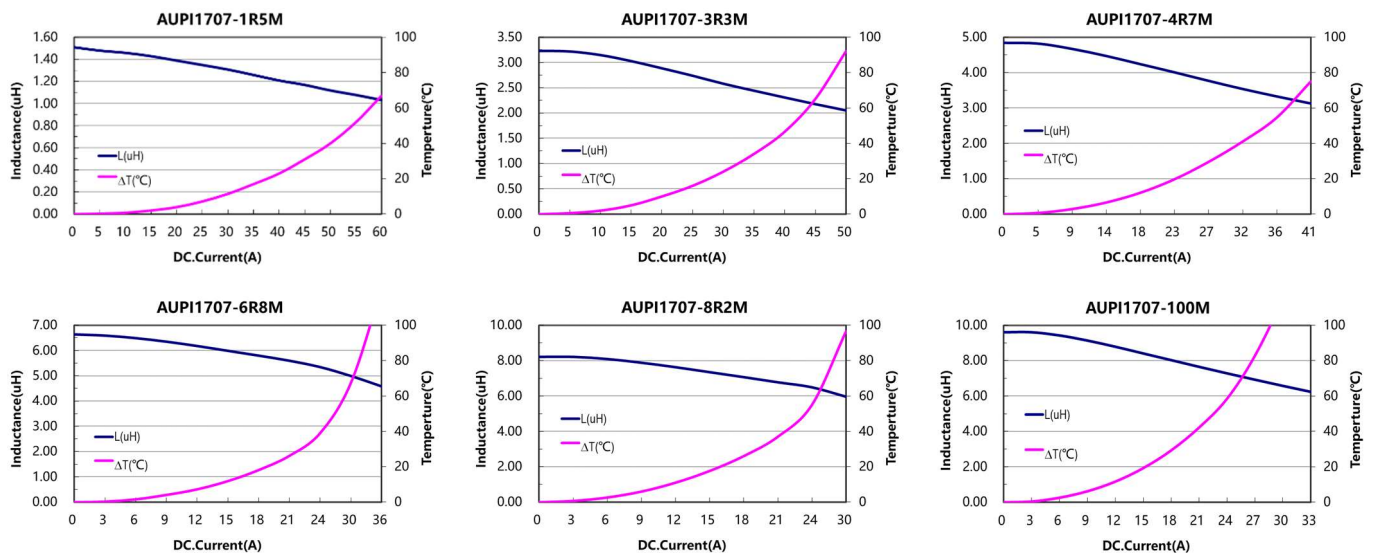
Irms (Typ): DC current (A) that will cause an approximate ΔT of 40°C

Irms (Max): DC current (A) that will cause an ΔT of 40°C Max

Note 4: Operating Temperature range includes self-temperature rise

Note 5: The rated current as listed is either the saturation current or the heating current depending on which value is lower.

Typical Performance curves:



* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others), kindly invite you to access 3L official website www.3lcoil.com for better known.