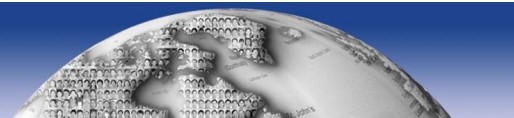


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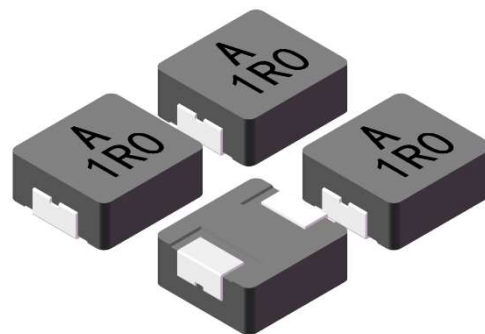


UPIA 06 SERIES

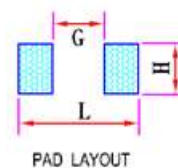
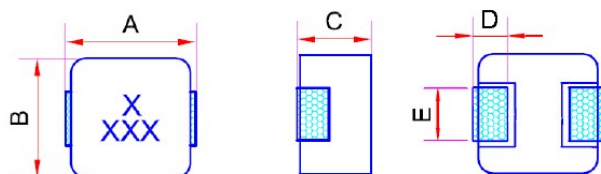
ULTRA HIGH CURRENT SMT POWER INDUCTOR.

Applications :

- PDA/Notebook/Desktop, and server applications.
- DC/DC converters in distributed power systems.
- DC/DC converter for Field Programmable Gate Array(FPGA).



Shape and Dimensions (Dimensions are in mm) :



Item	A Max.	B Max.	C Max.	D	E	G	H	L
UPIAS0603	7.1±0.2	6.6±0.2	2.8±0.2	1.6±0.3	By each	3.7	3.5	8.0
UPIA0603	7.5±0.3	6.8±0.2	3.0±0.2	1.6±0.3	By each	3.7	3.5	8.0
UPIA0604	7.5±0.3	6.8±0.2	4.0±0.2	1.6±0.3	By each	3.7	3.5	8.0

Features :

- Low profile and low DCR.
- Shielded construction.
- handles high transient current spikes without saturation
- Ultra Low buzz noise, due to composite construction.
- Compliance with RoHS and Halogen Free

Product Identification :

UPIA S0603 – 2R2 M

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

- (1) Product Symbol.
- (2) Dimensions Code, **S**- small Size
- (3) Inductance: **2R2** for **2.2** uH.
- (4) Inductance tolerance: **M**: ± 20%.

Characteristics :

- Saturation Current (Isat) : The current causes L_0 dropped approximately 30% typically.
- Temperature Rise Current(Irms) : The current causes the coil temperature rised approximately $\Delta T=40^{\circ}\text{C}$ without core Loss.
- Operating Temperature : -55°C to 125°C .

Measurement equipment

- L tested by Wayne kerr 3260B LCR meter with Wayne kerr 3265B bias current source.
- DCR tested by Milli-ohm meter.
- Electrical specifications at 25°C .

Handling and precautions :

- Please contact us before cleaning this product.



● **UPIAS0603 Series**

Part No.	Inductance L(uH)	DCR (mΩ)		Isat(A) Typ.	Irms(A) Typ.	E mm ±0.5
		Typ.	Max.			
UPIAS0603-R10M	0.10	0.9	1.7	42.0	32.0	2.0
UPIAS0603-R15M	0.15	1.5	2.5	38.0	26.0	2.0
UPIAS0603-R20M	0.20	1.3	3.0	36.0	24.0	2.0
UPIAS0603-R47M	0.47	3.6	4.2	26.0	17.5	3.0
UPIAS0603-R56M	0.56	4.3	4.8	24.0	16.5	3.0
UPIAS0603-1R0M	1.0	7.8	10.0	16.0	11.0	3.0
UPIAS0603-1R5M	1.5	12.7	15.0	14.0	9.0	3.0
UPIAS0603-1R8M	1.8	14.0	20.0	12.0	8.0	3.0
UPIAS0603-2R2M	2.2	15.2	20.0	12.0	8.0	3.0
UPIAS0603-3R3M	3.3	23.1	30.0	10.0	6.0	3.0
UPIAS0603-4R7M	4.7	37.0	40.0	6.5	5.5	3.0
UPIAS0603-6R8M	6.8	52.0	60.0	6.0	4.5	3.0
UPIAS0603-8R2M	8.2	63.5	68.0	5.5	4.0	3.0
UPIAS0603-100M	10.0	78.0	105	5.0	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.

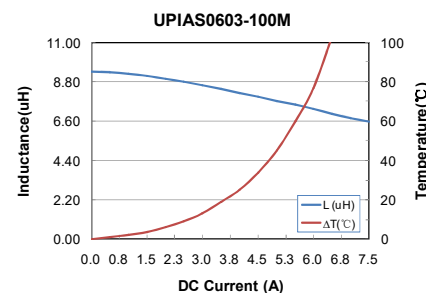
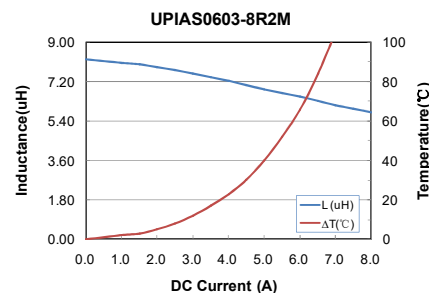
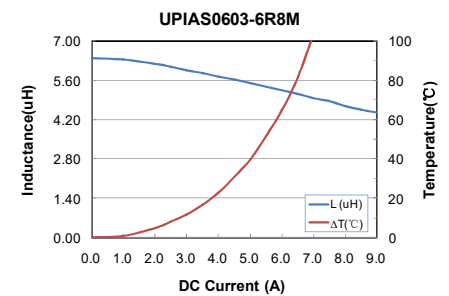
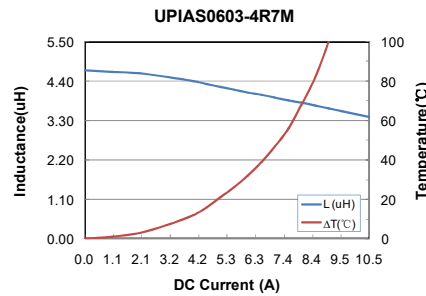
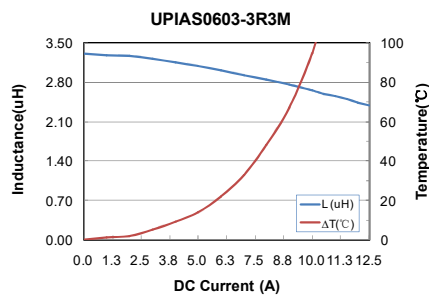
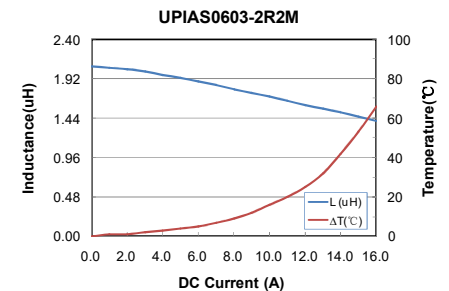
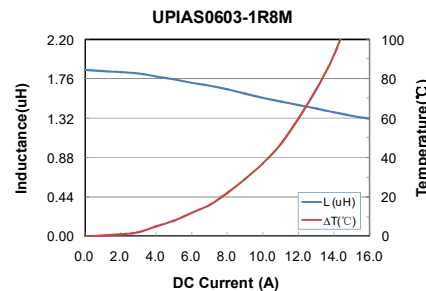
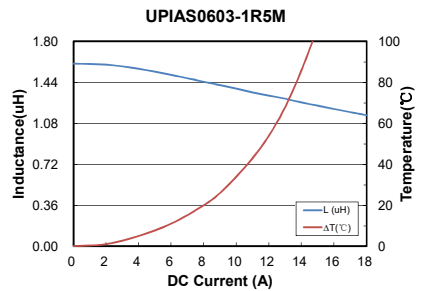
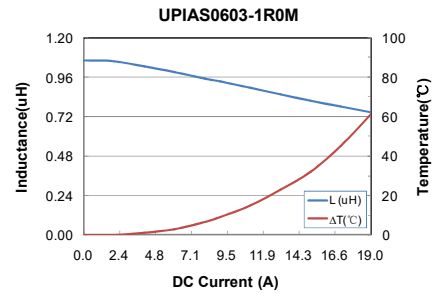
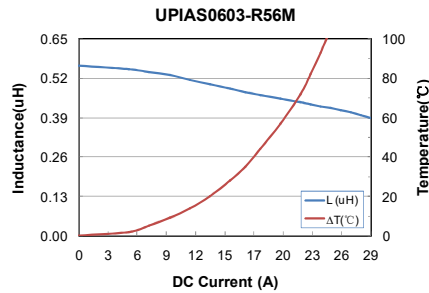
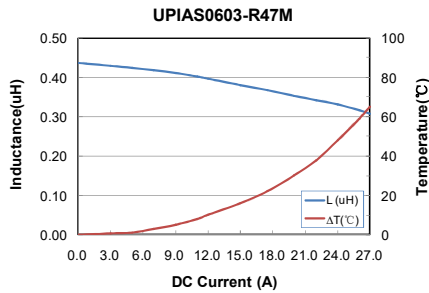
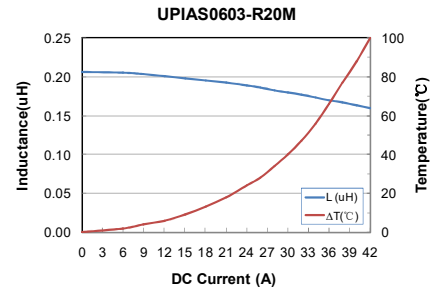
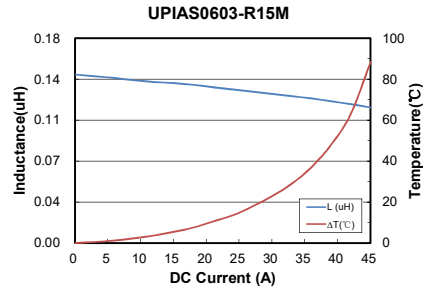
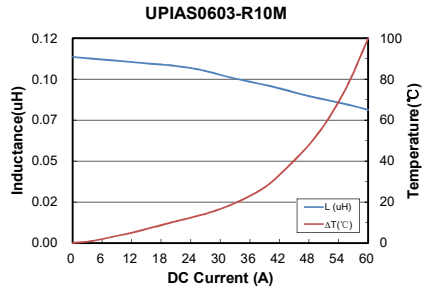
Note 3: Isat (Typ): DC current (A) that will cause L0 to drop approximately 30%

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

Note 4: Operating Temperature range includes self-temperature rise



Typical performance curves :





● UPIA0603 Series

Part No.	Inductance L(μH)	DCR (mΩ)		Isat(A) Typ.	Irms(A) Typ.	E mm ±0.5
		Typ.	Max.			
UPIA0603-R10M	0.10	1.0	1.7	42.0	32.5	2.0
UPIA0603-R15M	0.15	1.4	2.5	38.0	26.0	2.0
UPIA0603-R20M	0.20	1.4	3.0	36.0	24.0	2.0
UPIA0603-R22M	0.22	2.3	2.8	36.0	23.0	2.0
UPIA0603-R33M	0.33	2.8	3.9	30.0	20.0	3.0
UPIA0603-R47M	0.47	3.6	4.2	26.0	17.5	3.0
UPIA0603-R56M	0.56	4.5	4.8	24.0	16.5	3.0
UPIA0603-R68M	0.68	5.0	5.5	23.0	15.5	3.0
UPIA0603-R82M	0.82	7.5	8.0	20.0	13.0	3.0
UPIA0603-1R0M	1.0	7.8	10.0	16.0	11.0	3.0
UPIA0603-1R5M	1.5	10.9	15.0	14.0	9.0	3.0
UPIA0603-1R8M	1.8	12.9	18.0	12.0	8.0	3.0
UPIA0603-2R2M	2.2	17.1	20.0	12.0	8.0	3.0
UPIA0603-3R3M	3.3	26.5	30.0	10.0	6.0	3.0
UPIA0603-4R7M	4.7	37.6	40.0	6.5	5.5	3.0
UPIA0603-5R6M	5.6	46.0	50.0	6.0	5.0	3.0
UPIA0603-6R8M	6.8	50.5	60.0	6.0	4.5	3.0
UPIA0603-8R2M	8.2	62.5	68.0	5.5	4.0	3.0
UPIA0603-100M	10.0	101	105	5.0	3.0	3.0

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25°C.

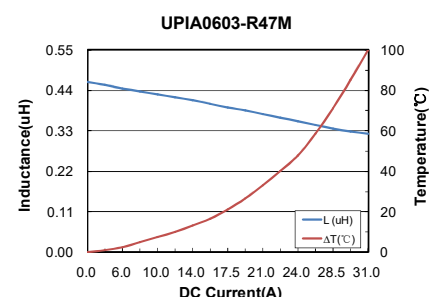
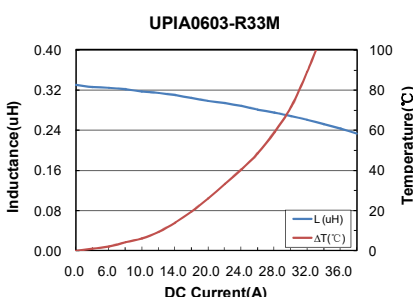
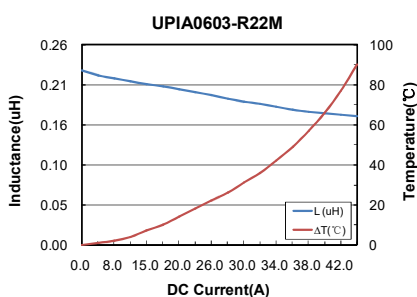
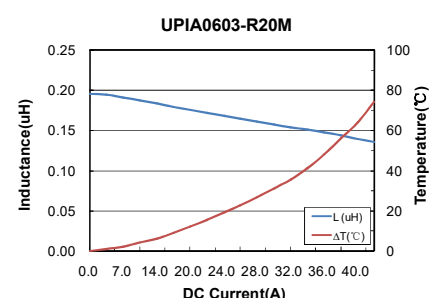
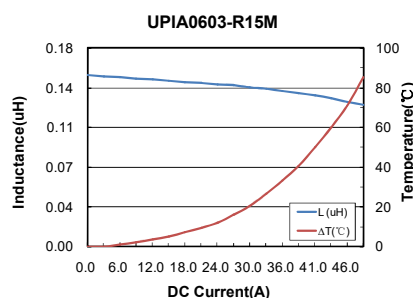
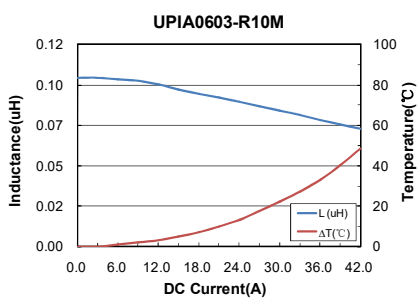
Note 2: Test Condition: 100kHz, 0.25 Vrms.

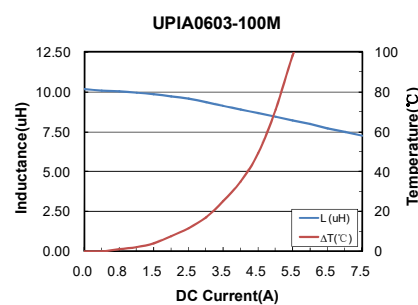
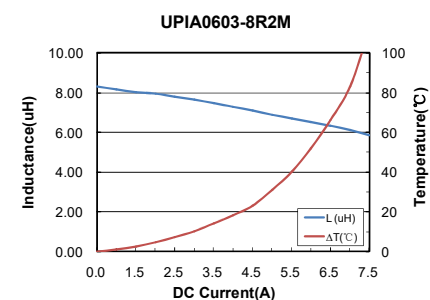
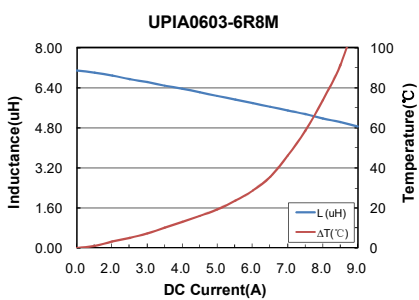
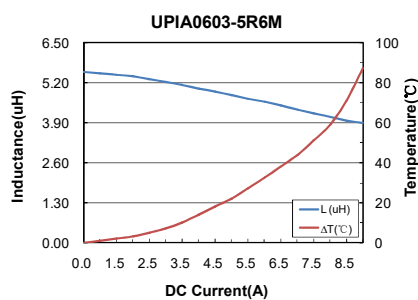
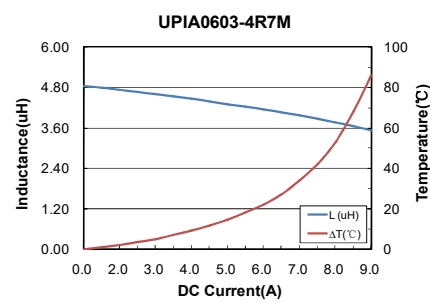
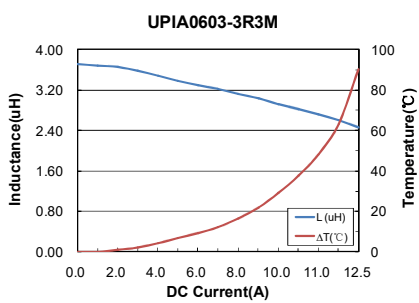
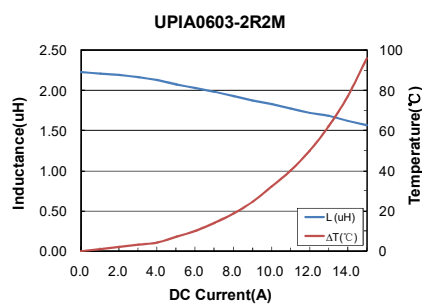
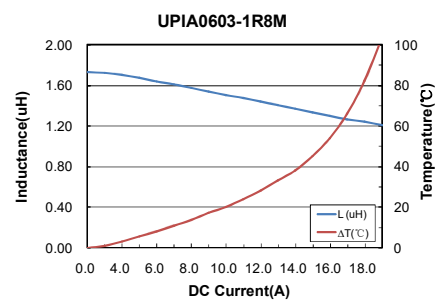
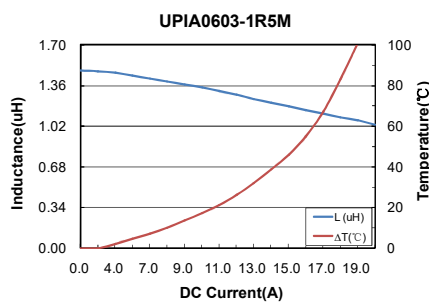
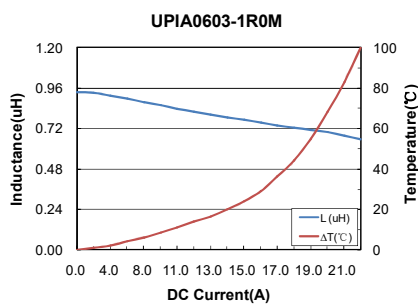
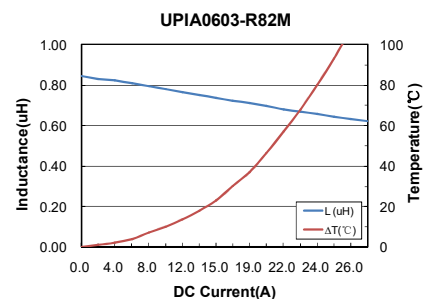
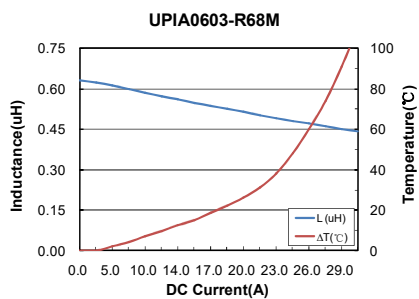
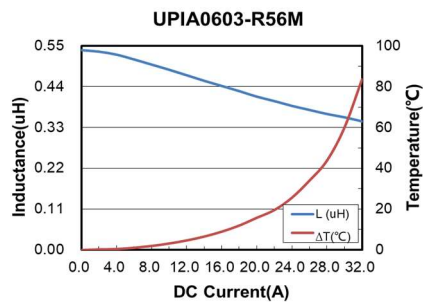
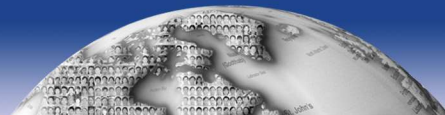
Note 3: Isat (Typ): DC current (A) that will cause L0 to drop approximately 30%

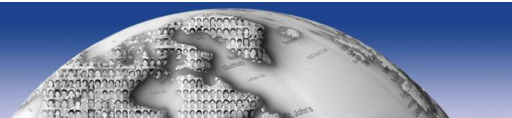
Irms (Typ): DC current (A) that will cause an approximate ΔT of 40°C

Note 4: Operating Temperature range includes self-temperature rise

Typical performance curves :







● UPIA0604 Series

Part No.	Inductance L(uH)	DCR (mΩ)		Isat(A) Typ.	Irms(A) Typ.	E mm ±0.5
		Typ.	Max.			
UPIA0604-R33M	0.33	1.9	2.1	32.0	25.0	2.0
UPIA0604-R47M	0.47	2.22	2.5	30.0	20.0	2.0
UPIA0604-R56M	0.56	2.8	3.0	29.0	19.0	2.0
UPIA0604-R68M	0.68	3.3	3.8	28.0	17.0	2.0
UPIA0604-R82M	0.82	4.85	5.2	24.0	16.0	3.0
UPIA0604-1R0M	1.0	5.3	5.8	20.0	15.0	3.0
UPIA0604-1R2M	1.2	7.2	7.6	19.0	15.0	3.0
UPIA0604-1R5M	1.5	7.8	8.4	18.0	14.0	3.0
UPIA0604-1R8M	1.8	8.5	8.8	15.0	13.0	3.0
UPIA0604-2R2M	2.2	11.2	16.0	14.0	12.0	3.0
UPIA0604-3R3M	3.3	16.6	18.0	13.0	10.0	3.0
UPIA0604-4R7M	4.7	20.2	21.0	9.0	7.0	3.0
UPIA0604-5R6M	5.6	28.7	30.0	7.0	5.5	3.0
UPIA0604-6R8M	6.8	28.7	30.0	7.0	5.5	3.0
UPIA0604-8R2M	8.2	33.5	36.0	6.5	4.5	3.0
UPIA0604-100M	10.0	53.1	60.0	5.0	4.5	3.0

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25°C.

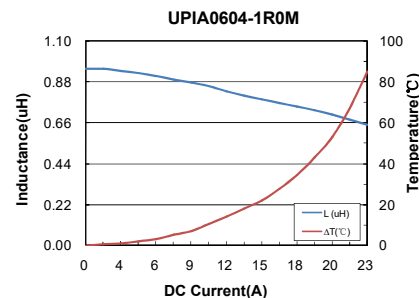
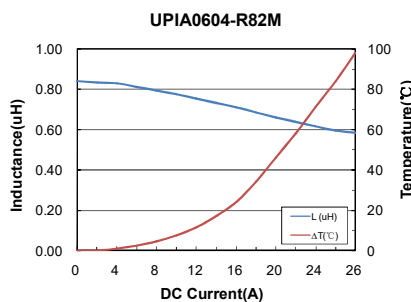
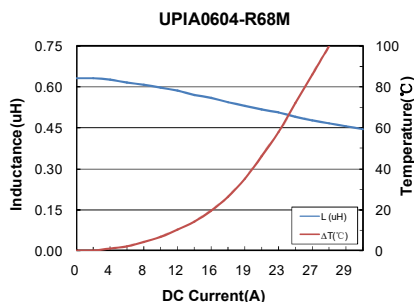
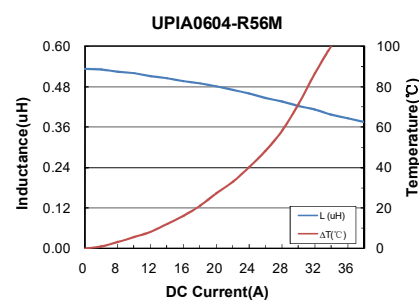
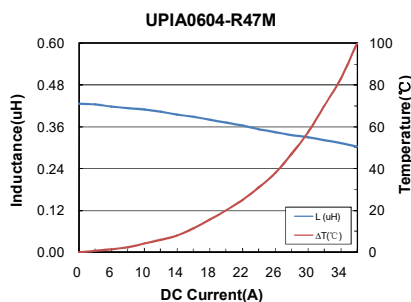
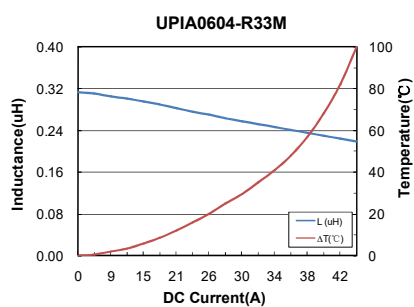
Note 2: Test Condition: 100kHz, 0.25 Vrms.

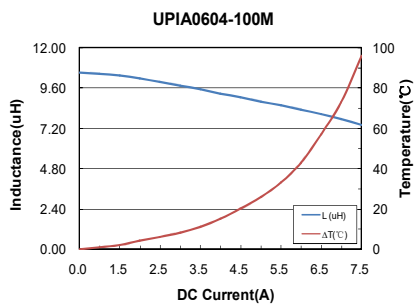
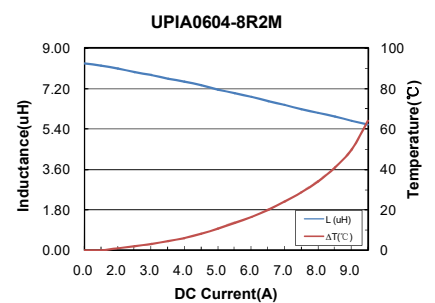
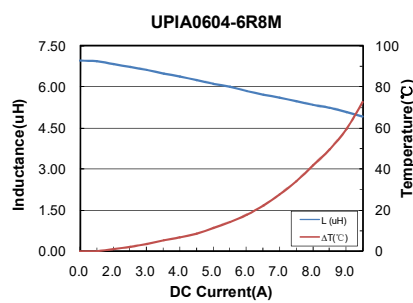
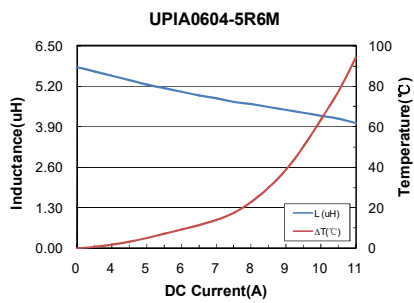
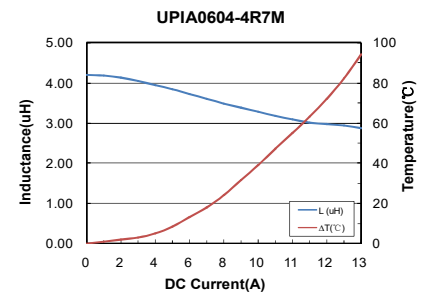
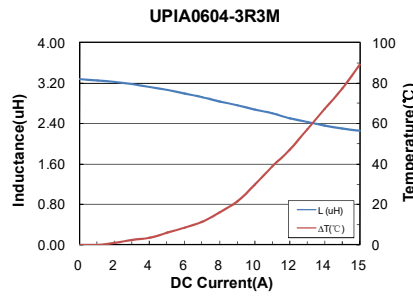
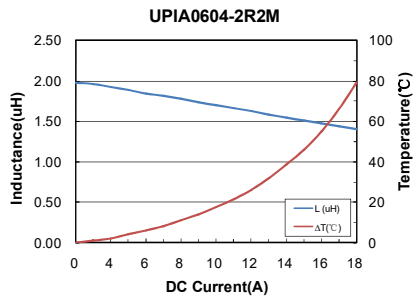
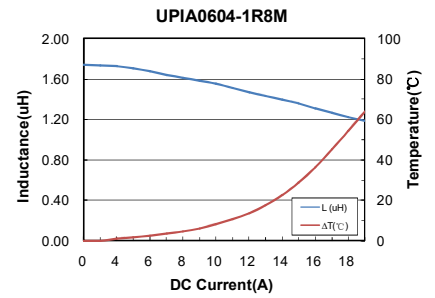
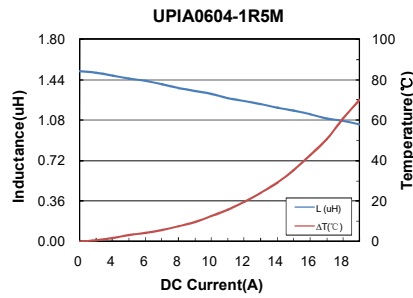
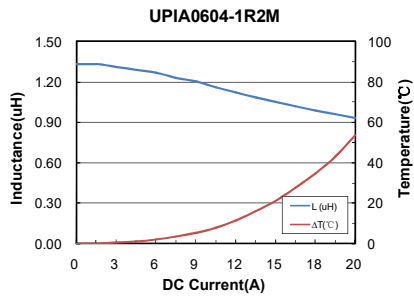
Note 3: Isat (Typ): DC current (A) that will cause L0 to drop approximately 30%

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

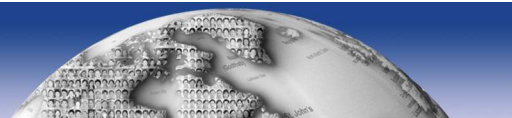
Note 4: Operating Temperature range includes self-temperature rise

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.

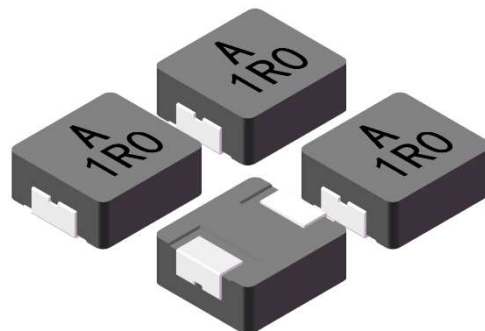


UPIA10 SERIES

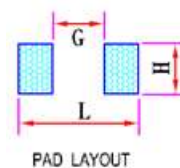
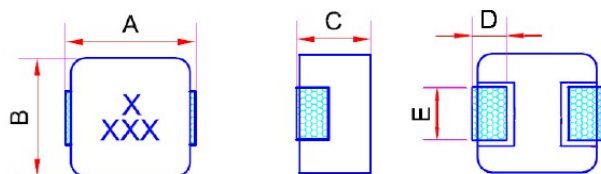
ULTRA HIGH CURRENT SMT POWER INDUCTOR.

Applications :

- PDA/Notebook/Desktop, and server applications.
- DC/DC converters in distributed power systems.
- DC/DC converter for Field Programmable Gate Array(FPGA).



Shape and Dimensions (Dimensions are in mm) :



Item	A Max.	B Max.	C Max.	D	E	G	H	L
UPIA1004	11.0±0.5	10.0±0.3	4.0±0.2	2.3±0.3	3.0±0.5	5.4	4.5	12.4
UPIA1005	11.0±0.5	10.0±0.3	4.8±0.2	2.3±0.3	3.0±0.5	5.4	4.5	12.4

Features :

- Low profile and low DCR.
- Shielded construction.
- handles high transient current spikes without saturation
- Ultra Low buzz noise, due to composite construction.
- Compliance with RoHS and Halogen Free

Product Identification :

UPIA 1004 – 2R2 M

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

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

Characteristics :

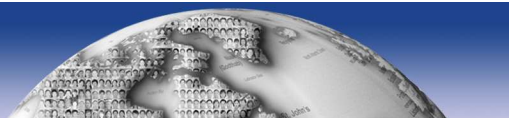
- Saturation Current (Isat) : The current causes L_0 dropped approximately 30% typically.
- Temperature Rise Current(Irms) : The current causes the coil temperature rised approximately $\Delta T=40^{\circ}\text{C}$ without core Loss.
- Operating Temperature : -55°C to 125°C .

Measurement equipment

- L tested by Wayne kerr 3260B LCR meter with Wayne kerr 3265B bias current source.
- DCR tested by Milli-ohm meter.
- Electrical specifications at 25°C .

Handling and precautions :

- Please contact us before cleaning this product.



● UPIA1004 Series

Part No.	Inductance L(μ H)	DCR ($m\Omega$)		Isat(A) Typ.	Irms(A) Typ.	E mm ± 0.5
		Typ.	Max.			
UPIA1004-R30M	0.30	1.0	1.4	40.0	28.0	3.0
UPIA1004-R36M	0.36	1.0	1.4	40.0	28.0	3.0
UPIA1004-R47M	0.47	1.4	1.6	38.0	26.0	3.0
UPIA1004-R56M	0.56	1.5	1.9	36.0	25.0	3.0
UPIA1004-R68M	0.68	1.7	2.4	32.0	23.0	3.0
UPIA1004-R88M	0.88	2.4	3.0	30.0	21.0	3.0
UPIA1004-1R0M	1.0	2.7	3.5	28.0	20.0	3.0
UPIA1004-1R5M	1.5	7.1	7.5	20.0	12.0	3.0
UPIA1004-2R2M	2.2	7.5	8.56	16.5	11.5	3.0
UPIA1004-3R3M	3.3	9.7	11.8	14.0	10.0	3.0
UPIA1004-4R7M	4.7	12.5	13.5	13.0	8.0	3.0
UPIA1004-5R6M	5.6	15.5	16.0	12.0	7.0	3.0
UPIA1004-6R8M	6.8	21.3	24.0	9.50	7.0	3.0
UPIA1004-8R2M	8.2	29.1	32.5	8.00	5.0	3.0
UPIA1004-100M	10.0	31.5	35.0	7.00	5.0	3.0

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25°C.

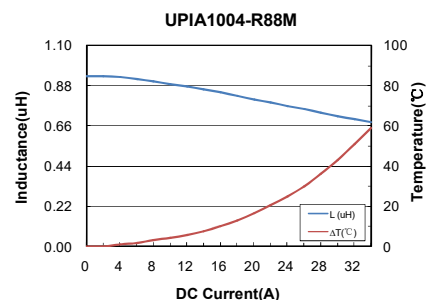
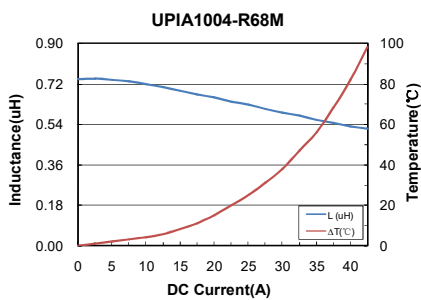
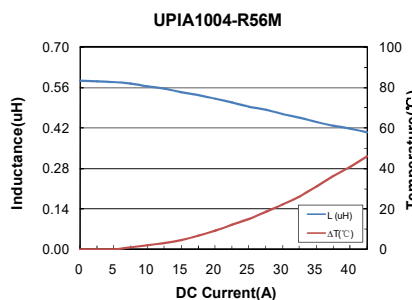
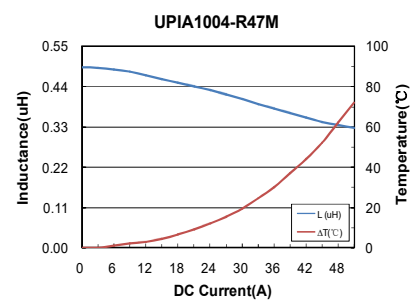
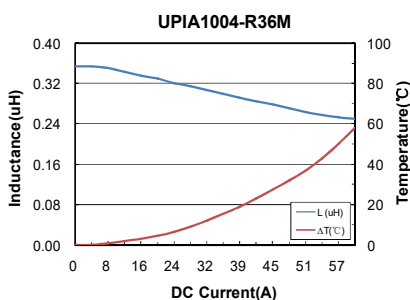
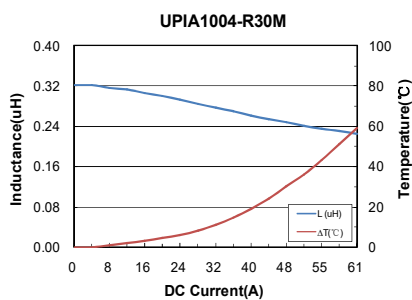
Note 2: Test Condition: 100kHz, 0.25 Vrms.

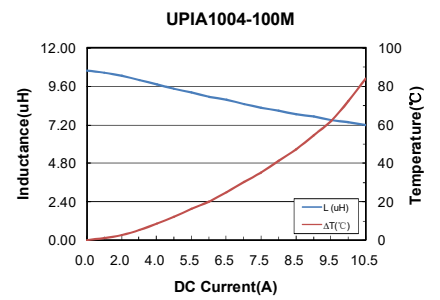
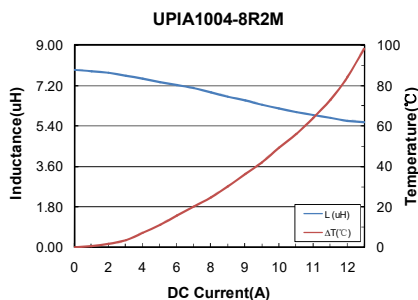
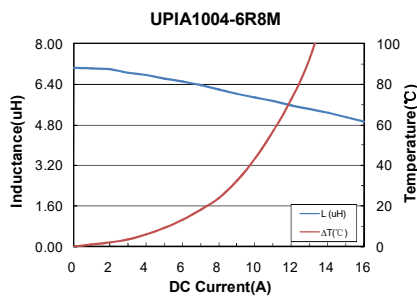
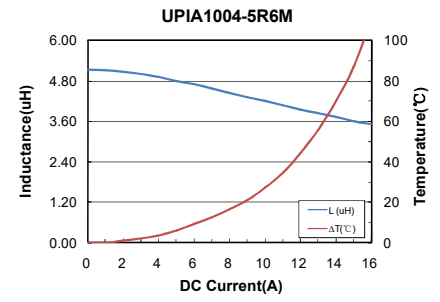
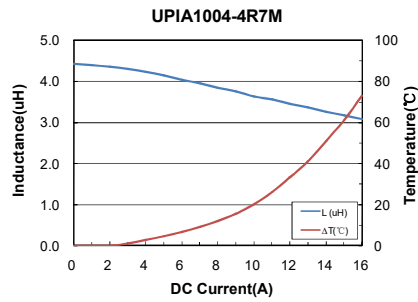
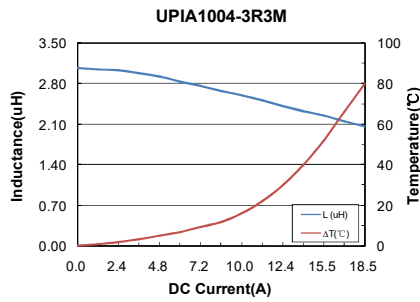
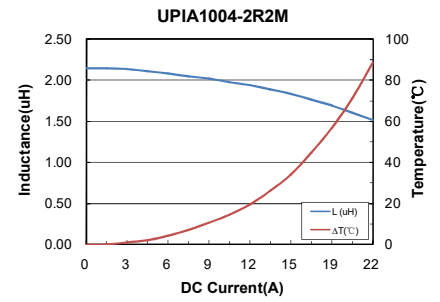
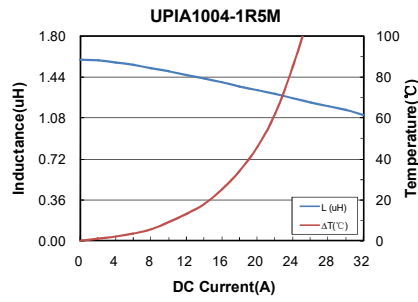
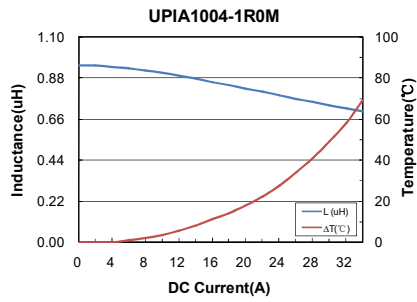
Note 3: Isat (Typ): DC current (A) that will cause L0 to drop approximately 30%

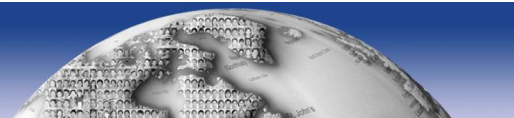
Irms (Typ): DC current (A) that will cause an approximate ΔT of 40°C

Note 4: Operating Temperature range includes self-temperature rise

Typical performance curves :







● UPIA1005 Series

Part No.	Inductance L(μ H)	DCR ($m\Omega$)		Isat(A) Typ.	Irms(A) Typ.	E mm ± 0.5
		Typ.	Max.			
UPIA1005-R36M	0.36	0.7	0.92	40.0	35.0	3.0
UPIA1005-R47M	0.47	0.92	1.04	38.0	32.0	3.0
UPIA1005-R56M	0.56	1.1	1.21	36.0	30.0	3.0
UPIA1005-R60M	0.60	1.25	1.5	32.0	29.2	3.0
UPIA1005-R68M	0.68	1.35	1.5	32.0	29.2	3.0
UPIA1005-R82M	0.82	1.55	1.86	30.0	26.0	3.0
UPIA1005-1R0M	1.0	2.1	2.53	28.0	24.0	3.0
UPIA1005-1R5M	1.5	2.7	3.02	22.0	20.0	3.0
UPIA1005-1R8M	1.8	3.5	4.03	20.0	18.0	3.0
UPIA1005-2R2M	2.2	4.1	4.6	20.0	17.0	3.0
UPIA1005-2R7M	2.7	7.3	8.5	18.0	14.0	3.0
UPIA1005-3R3M	3.3	8.2	10.0	15.0	12.0	3.0
UPIA1005-4R7M	4.7	9.2	12.0	13.0	10.0	3.0
UPIA1005-5R6M	5.6	14.3	16.0	12.0	9.0	3.0
UPIA1005-6R8M	6.8	16.0	20.0	10.0	8.0	3.0
UPIA1005-8R2M	8.2	22.4	24.0	9.0	7.5	3.0
UPIA1005-100M	10.0	24.7	28.0	8.0	7.0	3.0

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25°C.

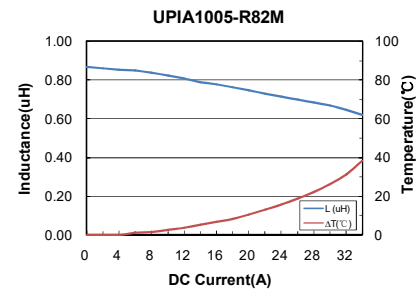
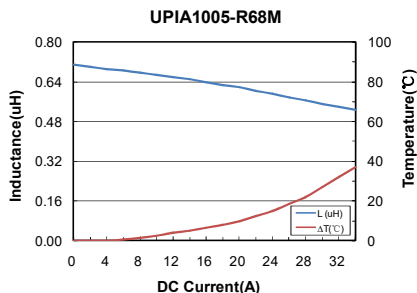
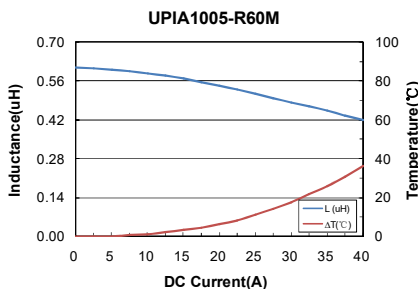
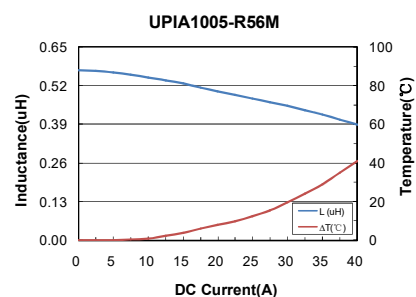
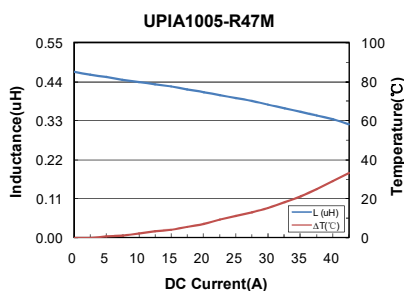
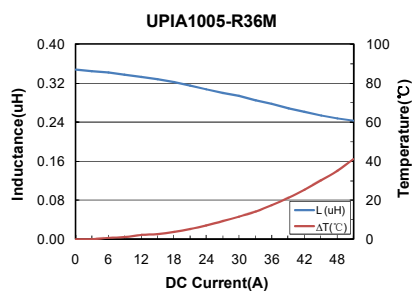
Note 2: Test Condition: 100kHz, 0.25 Vrms.

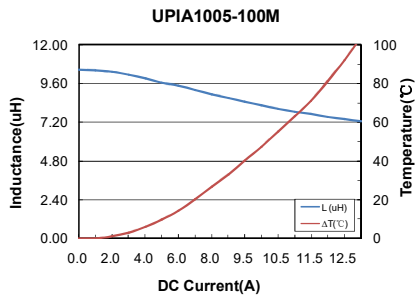
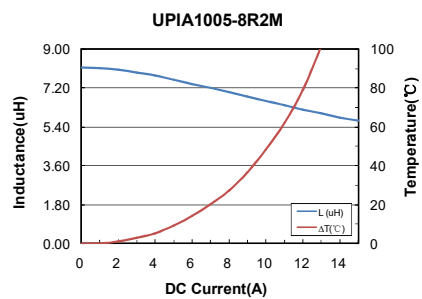
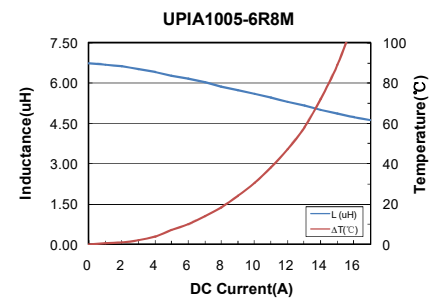
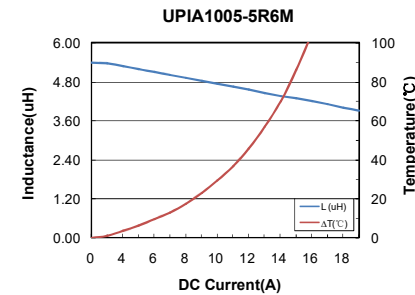
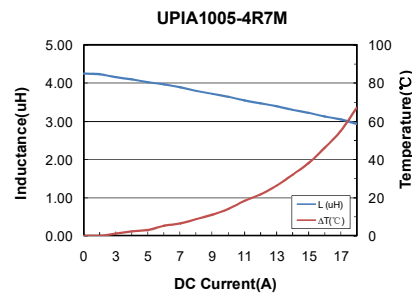
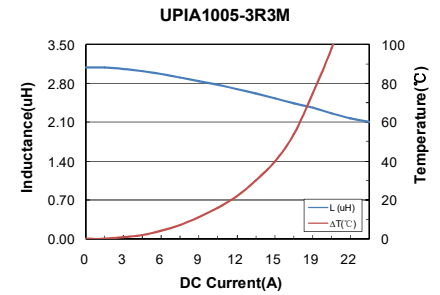
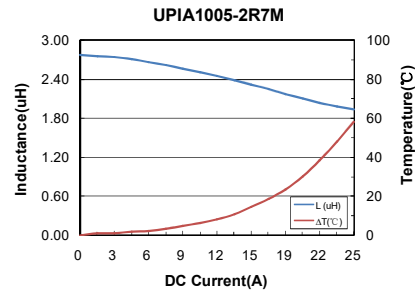
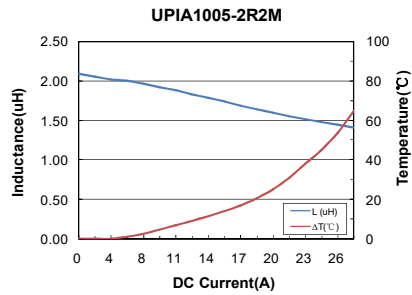
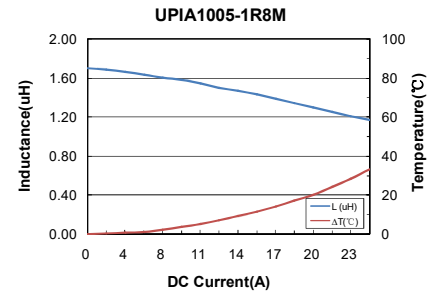
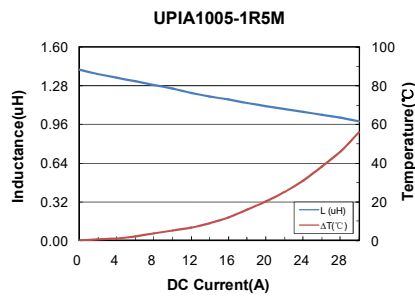
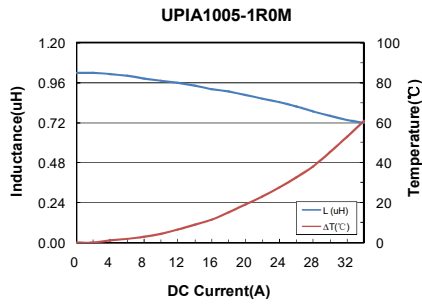
Note 3: Isat (Typ): DC current (A) that will cause L0 to drop approximately 30%

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

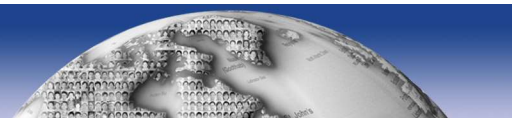
Note 4: Operating Temperature range includes self-temperature rise

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.

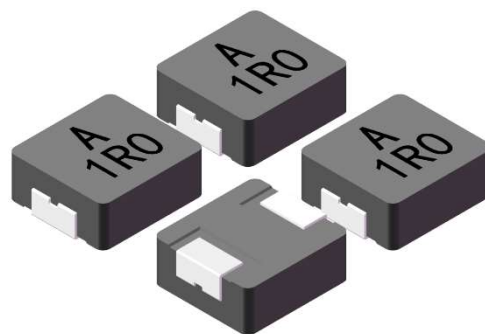


UPIA12 SERIES

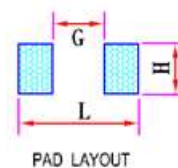
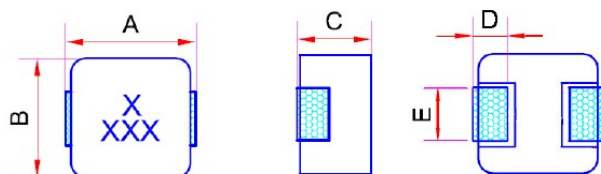
ULTRA HIGH CURRENT SMT POWER INDUCTOR.

Applications :

- PDA/Notebook/Desktop, and server applications.
- DC/DC converters in distributed power systems.
- DC/DC converter for Field Programmable Gate Array(FPGA).



Shape and Dimensions (Dimensions are in mm) :



Item	A Max.	B Max.	C Max.	D	E	G	H	L
UPIA1203	13.4±0.5	12.6±0.3	3.5±0.2	2.3±0.3	3.0±0.5	8.0	5.0	14.5
UPIA1205	13.4±0.5	12.6±0.3	5.0±0.2	2.3±0.3	3.0±0.5	8.0	5.0	14.5
UPIA1207	13.4±0.5	12.6±0.3	6.8±0.2	2.3±0.3	3.0±0.5	8.0	5.0	14.5

Features :

- Low profile and low DCR.
- Shielded construction.
- handles high transient current spikes without saturation
- Ultra Low buzz noise, due to composite construction.
- Compliance with RoHS and Halogen Free

Product Identification :

UPIA 1203- 2R2 M

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

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

Characteristics :

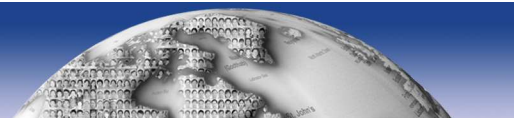
- Saturation Current (Isat) : The current causes L_0 dropped approximately 30% typically.
- Temperature Rise Current(Irms) : The current causes the coil temperature rised approximately $\Delta T=40^{\circ}\text{C}$ without core Loss.
- Operating Temperature : -55°C to 125°C.

Measurement equipment

- L tested by Wayne kerr 3260B LCR meter with Wayne kerr 3265B bias current source.
- DCR tested by Milli-ohm meter.
- Electrical specifications at 25°C.

Handling and precautions :

- Please contact us before cleaning this product.



● UPIA1203 Series

Part No.	Inductance L(μH)	DCR (mΩ)		Isat(A) Typ.	Irms(A) Typ.	E mm ±0.5
		Typ.	Max.			
UPIA1203-R10M	0.10	0.6	0.96	56.0	43.0	3.0
UPIA1203-R15M	0.15	0.9	1.2	50.0	41.0	3.0
UPIA1203-R22M	0.22	0.82	1.3	50.0	38.5	3.0
UPIA1203-R33M	0.33	1.25	1.5	50.0	36.5	3.0
UPIA1203-R47M	0.47	1.3	2.0	44.0	32.0	3.0
UPIA1203-R60M	0.60	2.2	2.5	42.0	29.0	3.0
UPIA1203-R68M	0.68	2.45	2.5	40.0	28.0	3.0
UPIA1203-R82M	0.82	2.3	3.0	38.0	25.0	3.0
UPIA1203-1R0M	1.0	3.2	3.5	36.0	24.0	3.0
UPIA1203-1R5M	1.5	5.1	5.5	28.0	19.0	3.0
UPIA1203-1R8M	1.8	5.7	7.0	24.0	16.5	3.0
UPIA1203-2R2M	2.2	6.7	8.0	20.0	16.0	3.0
UPIA1203-3R3M	3.3	9.7	12.0	18.0	12.0	3.0
UPIA1203-4R7M	4.7	14.0	15.0	16.0	10.0	3.0
UPIA1203-5R6M	5.6	16.7	18.0	14.0	9.5	3.0
UPIA1203-6R8M	6.8	17.5	22.0	13.0	9.0	3.0
UPIA1203-8R2M	8.2	25.5	28.0	11.0	8.0	3.0
UPIA1203-100M	10.0	33.7	35.0	10.0	7.0	3.0

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25°C.

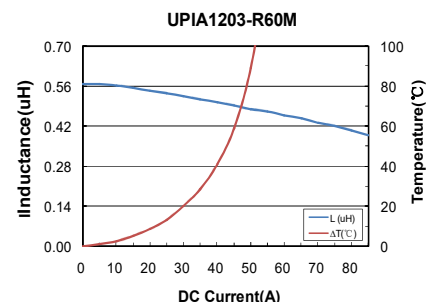
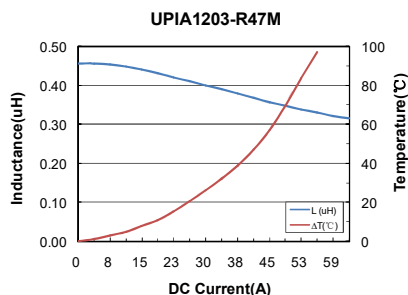
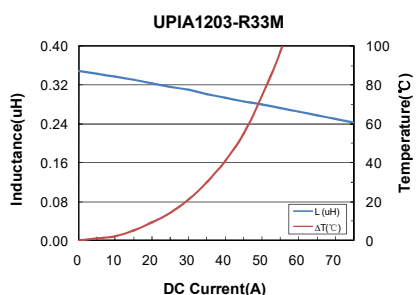
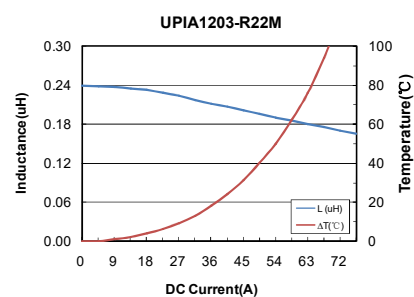
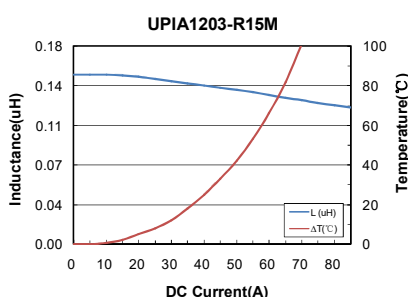
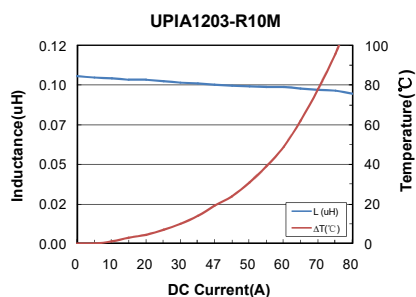
Note 2: Test Condition: 100kHz, 0.25 Vrms.

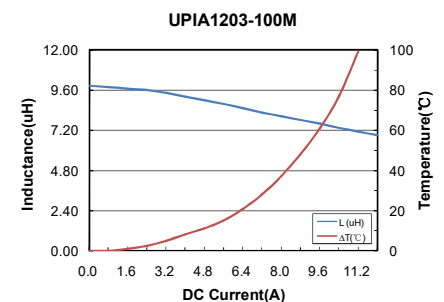
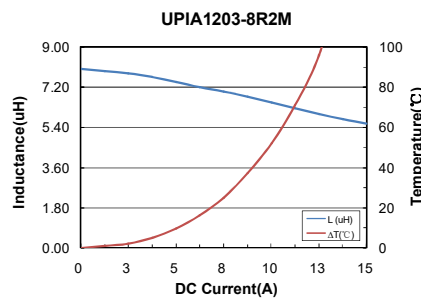
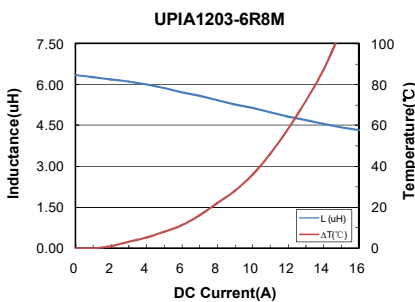
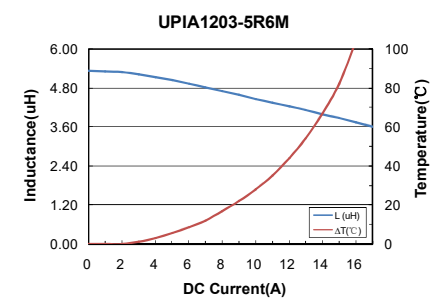
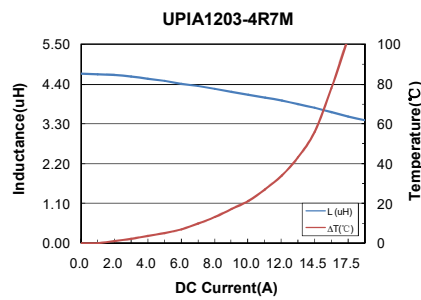
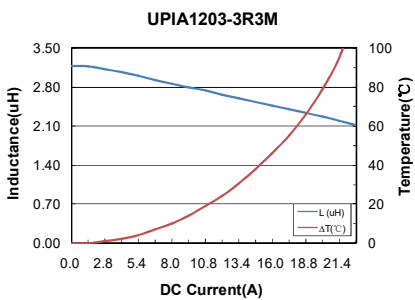
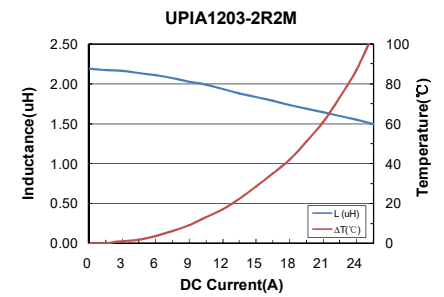
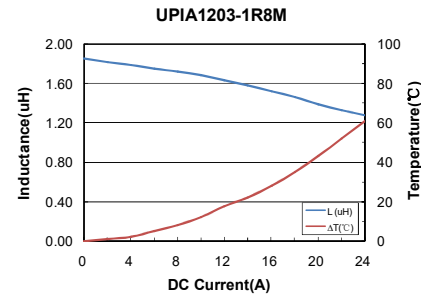
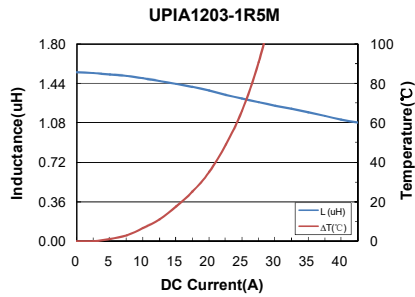
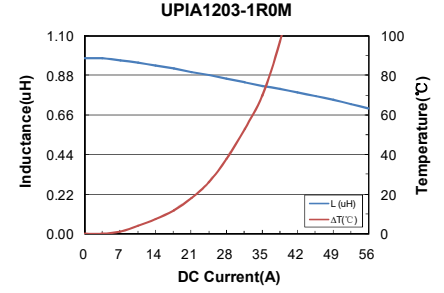
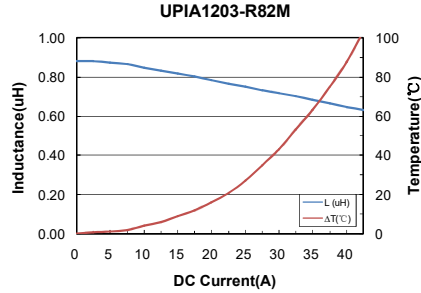
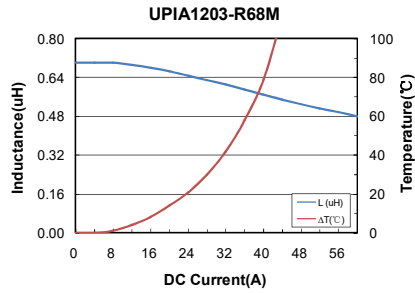
Note 3: Isat (Typ): DC current (A) that will cause L0 to drop approximately 30%

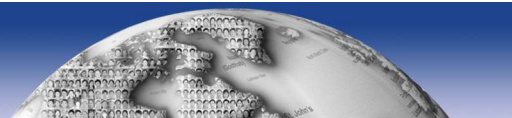
Irms (Typ): DC current (A) that will cause an approximate ΔT of 40°C

Note 4: Operating Temperature range includes self-temperature rise

Typical performance curves :







● UPIA1205 Series

Part No.	Inductance L(uH)	DCR (mΩ)		Isat(A) Typ.	Irms(A) Typ.	E mm ±0.5
		Typ.	Max.			
UPIA1205-R36M	0.36	1.0	1.1	75.0	41.0	3.0
UPIA1205-R47M	0.47	1.1	1.3	65.0	38.0	3.0
UPIA1205-R50M	0.50	1.1	1.5	55.0	36.0	3.0
UPIA1205-R56M	0.56	1.4	1.5	55.0	36.0	3.0
UPIA1205-R68M	0.68	1.4	1.7	54.0	34.0	3.0
UPIA1205-R82M	0.82	2.1	2.3	53.0	31.0	3.0
UPIA1205-1R0M	1.0	2.2	2.5	50.0	29.0	3.0
UPIA1205-1R2M	1.2	2.2	2.5	46.0	25.0	3.0
UPIA1205-1R5M	1.5	3.5	4.1	48.0	23.0	3.0
UPIA1205-2R2M	2.2	4.4	5.5	32.0	20.0	3.0
UPIA1205-2R7M	2.7	7.2	8.2	32.0	18.0	3.0
UPIA1205-3R3M	3.3	7.8	9.2	32.0	15.0	3.0
UPIA1205-4R7M	4.7	13.7	15.0	27.0	12.0	3.0
UPIA1205-5R6M	5.6	14.2	16.5	22.0	11.5	3.0
UPIA1205-6R8M	6.8	17.2	18.5	21.0	11.0	3.0
UPIA1205-7R8M	7.8	17.2	20.5	18.0	10.0	3.0
UPIA1205-8R2M	8.2	17.5	22.5	12.0	8.50	3.0
UPIA1205-100M	10.0	21.5	25.5	9.5	7.0	3.0

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25°C.

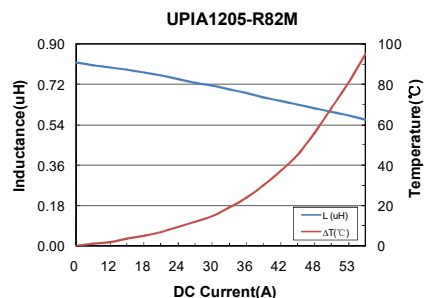
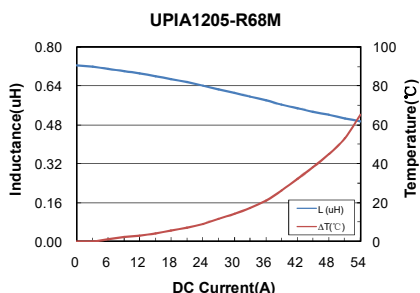
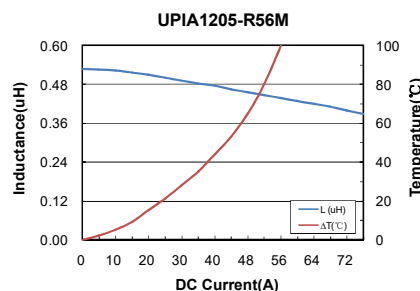
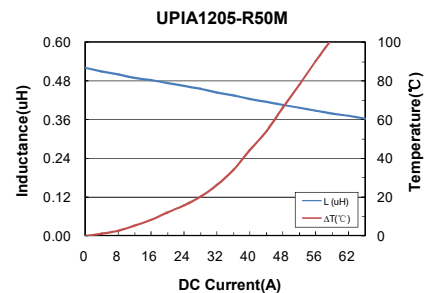
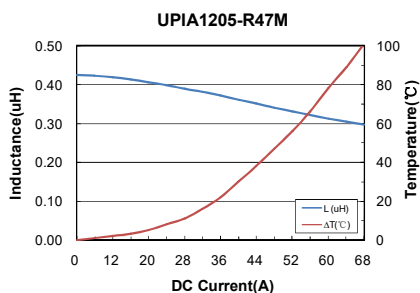
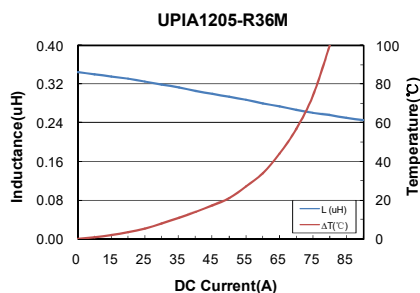
Note 2: Test Condition: 100kHz, 0.25 Vrms.

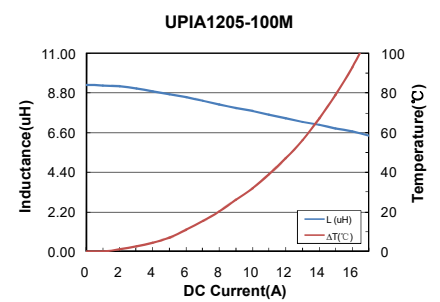
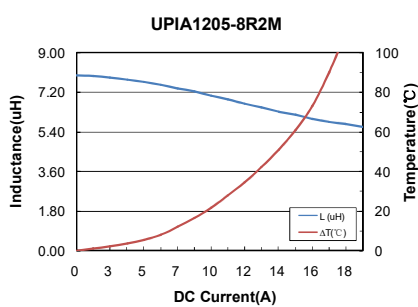
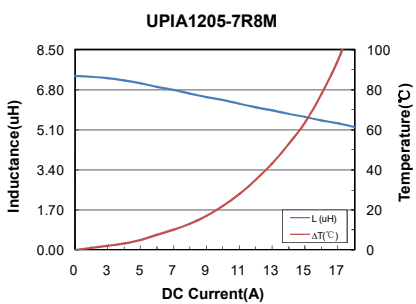
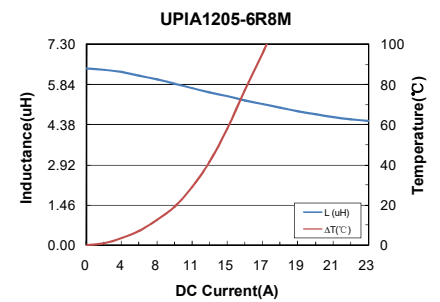
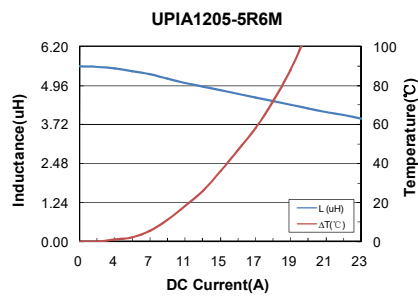
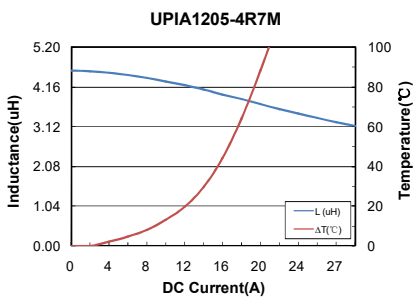
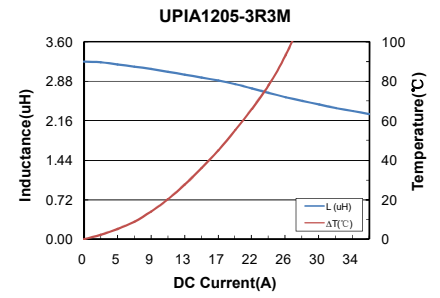
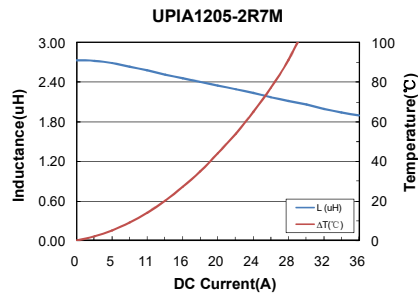
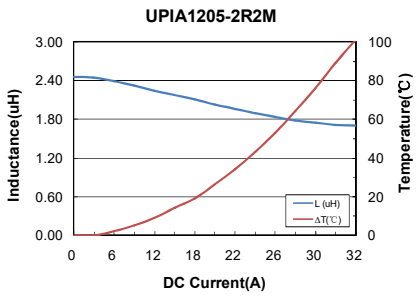
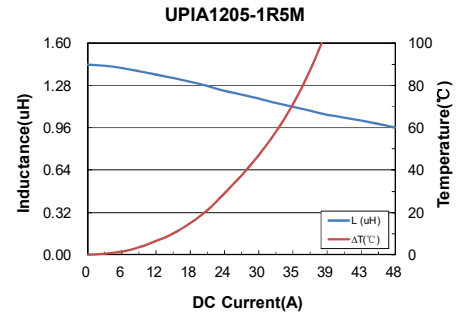
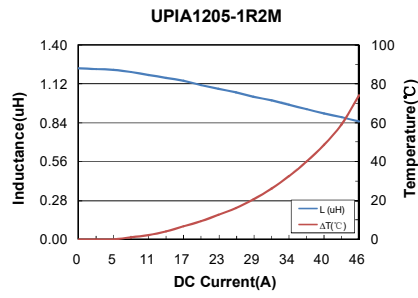
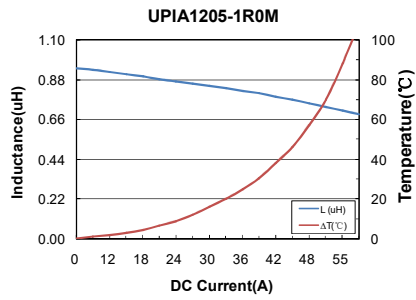
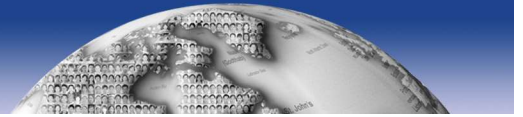
Note 3: Isat (Typ): DC current (A) that will cause L0 to drop approximately 30%

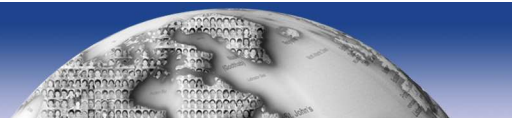
Irms (Typ): DC current (A) that will cause an approximate ΔT of 40°C

Note 4: Operating Temperature range includes self-temperature rise

Typical performance curves :







● UPIA1207 Series

Part No.	Inductance L(uH)	DCR (mΩ)		Isat(A) Typ.	Irms(A) Typ.	E mm ±0.5
		Typ.	Max.			
UPIA1207-R33M	0.33	0.8	0.9	65.0	46.0	3.0
UPIA1207-R47M	0.47	1.0	1.2	63.0	41.0	3.0
UPIA1207-R56M	0.56	1.2	1.4	62.0	37.0	3.0
UPIA1207-R68M	0.68	1.45	1.6	60.0	35.0	3.0
UPIA1207-R82M	0.82	1.75	1.9	50.0	33.0	3.0
UPIA1207-1R0M	1.0	1.85	2.0	50.0	32.0	3.0
UPIA1207-1R5M	1.5	2.6	3.0	45.0	27.0	3.0
UPIA1207-2R2M	2.2	3.7	4.2	40.0	22.0	3.0
UPIA1207-3R3M	3.3	6.2	6.8	35.0	18.0	3.0
UPIA1207-4R7M	4.7	7.4	10.0	30.0	15.0	3.0
UPIA1207-5R6M	5.6	9.7	11.2	26.5	13.5	3.0
UPIA1207-6R8M	6.8	7.4	14.0	17.0	12.0	3.0
UPIA1207-8R2M	8.2	13.4	15.5	16.0	10.5	3.0
UPIA1207-100M	10.0	13.2	16.8	15.5	10.0	3.0

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25°C.

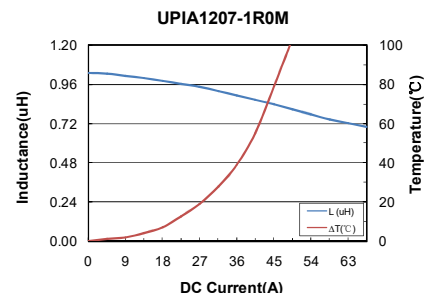
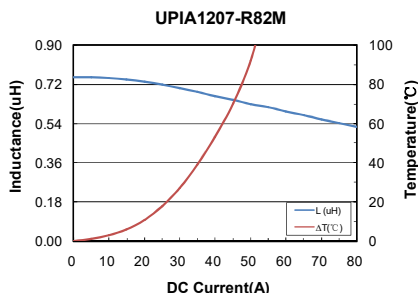
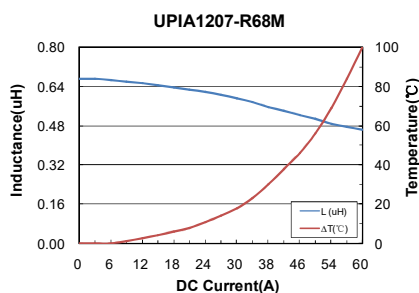
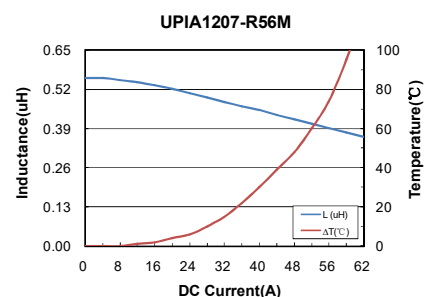
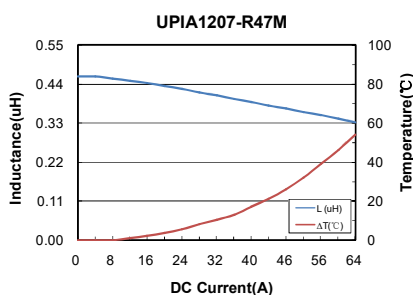
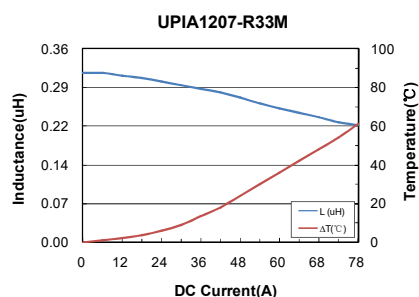
Note 2: Test Condition: 100kHz, 0.25 Vrms.

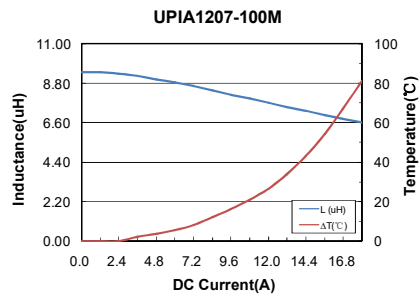
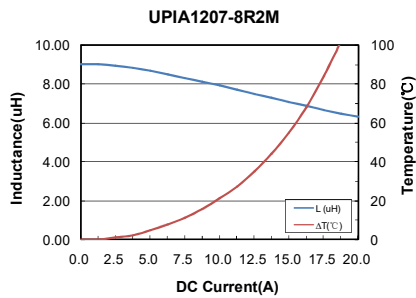
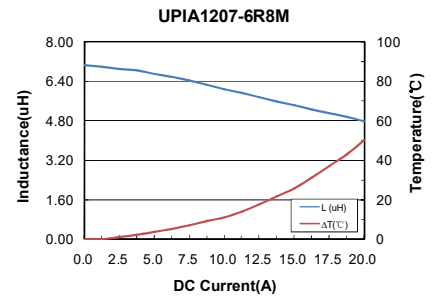
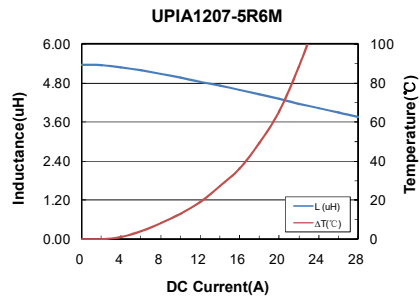
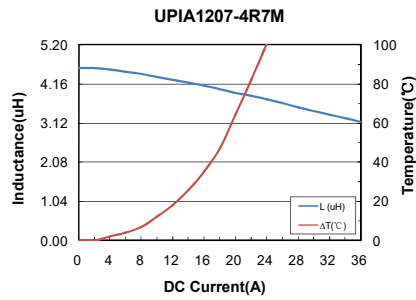
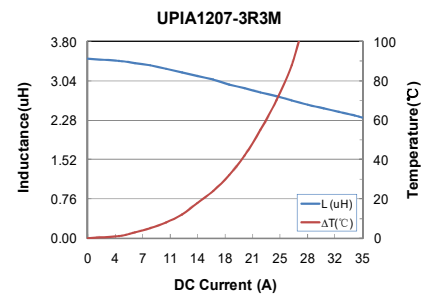
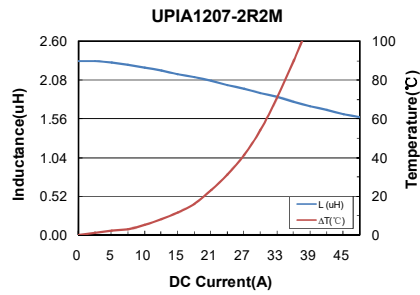
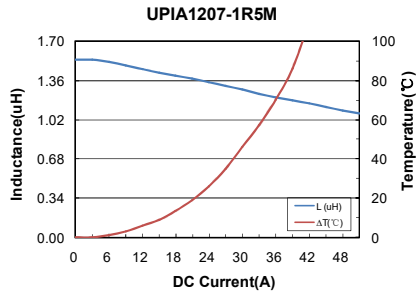
Note 3: Isat (Typ): DC current (A) that will cause L0 to drop approximately 30%

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

Note 4: Operating Temperature range includes self-temperature rise

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.