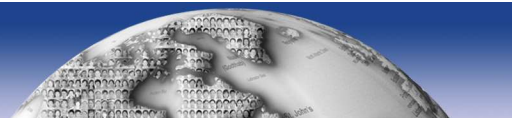


UPIB Series INDEX

UPIBS06 Series.....	2
UPIBS0603(7.1 x 6.6 x 3.0mm).....	3
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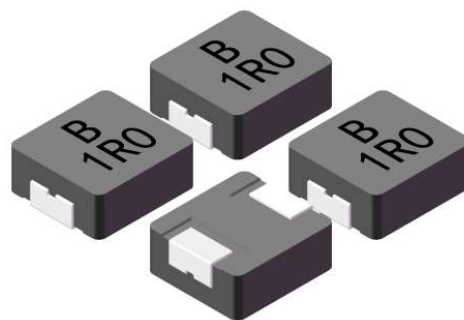


UPIBS0603 SERIES

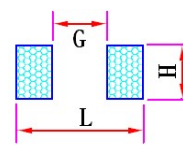
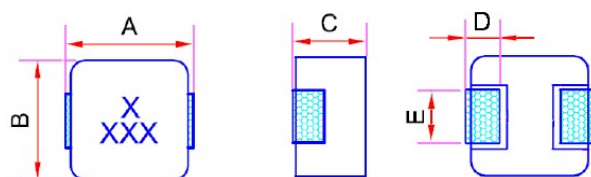
ULTRA HIGH CURRENT SMT POWER INDUCTOR.

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):



PAD LAYOUT

Item	A	B	C	D	E	G	H	L
UPIBS0603	7.10±0.2	6.60±0.2	2.8±0.2	1.60±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 :

UPIBS 0603 - 2R2 M - C

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

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

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.



● UPIBS0603 Series

Part No.	Inductance L(uH)	DCR (mΩ)		Isat(A) Typ.	Irms(A) Typ.	E mm ±0.5
		Typ.	Max.			
UPIBS0603-R10M-C	0.10	1.15	1.70	60.0	32.5	2.0
UPIBS0603-R15M-C	0.15	1.35	2.50	52.0	26.0	2.0
UPIBS0603-R20M-C	0.20	2.45	3.00	41.0	24.0	3.0
UPIBS0603-R22M-C	0.22	2.45	2.80	40.0	23.0	3.0
UPIBS0603-R33M-C	0.33	3.10	3.90	30.0	20.0	3.0
UPIBS0603-R47M-C	0.47	4.00	4.20	26.0	17.5	3.0
UPIBS0603-R56M-C	0.56	4.80	5.00	25.5	16.5	3.0
UPIBS0603-R68M-C	0.68	4.95	5.50	25.0	15.5	3.0
UPIBS0603-R82M-C	0.82	7.15	8.00	24.0	13.0	3.0
UPIBS0603-1R0M-C	1.0	9.30	10.0	22.0	11.0	3.0
UPIBS0603-1R2M-C	1.2	11.6	13.0	20.0	10.0	3.0
UPIBS0603-1R5M-C	1.5	13.5	15.0	18.0	9.0	3.0
UPIBS0603-1R8M-C	1.8	14.9	18.0	16.0	8.5	3.0
UPIBS0603-2R2M-C	2.2	18.3	20.0	14.0	8.0	3.0
UPIBS0603-3R3M-C	3.3	28.0	30.0	13.5	6.0	3.0
UPIBS0603-4R7M-C	4.7	38.0	40.0	10.0	5.5	3.0
UPIBS0603-5R6M-C	5.6	46.9	50.0	9.0	5.0	3.0
UPIBS0603-6R8M-C	6.8	54.8	60.0	8.0	4.5	3.0
UPIBS0603-8R2M-C	8.2	61.5	68.0	7.5	4.0	3.0
UPIBS0603-100M-C	10.0	72.4	105.0	7.0	3.0	3.0

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25°C.

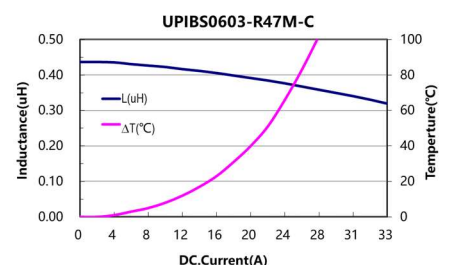
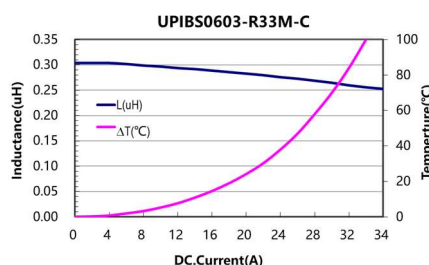
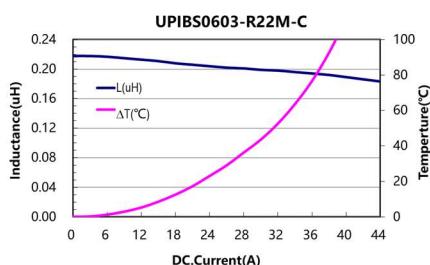
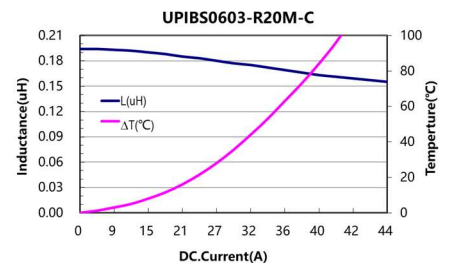
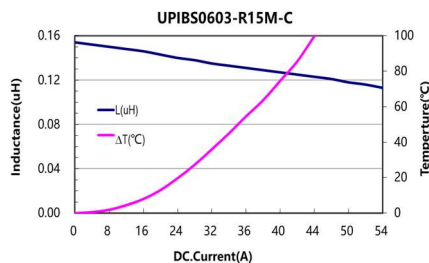
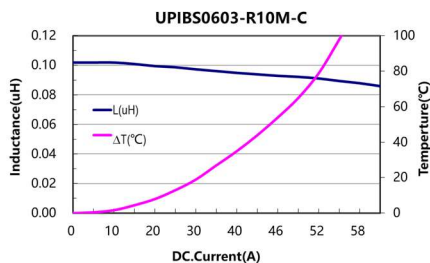
Note 2: Test Condition: 100kHz, 0.25 Vrms.

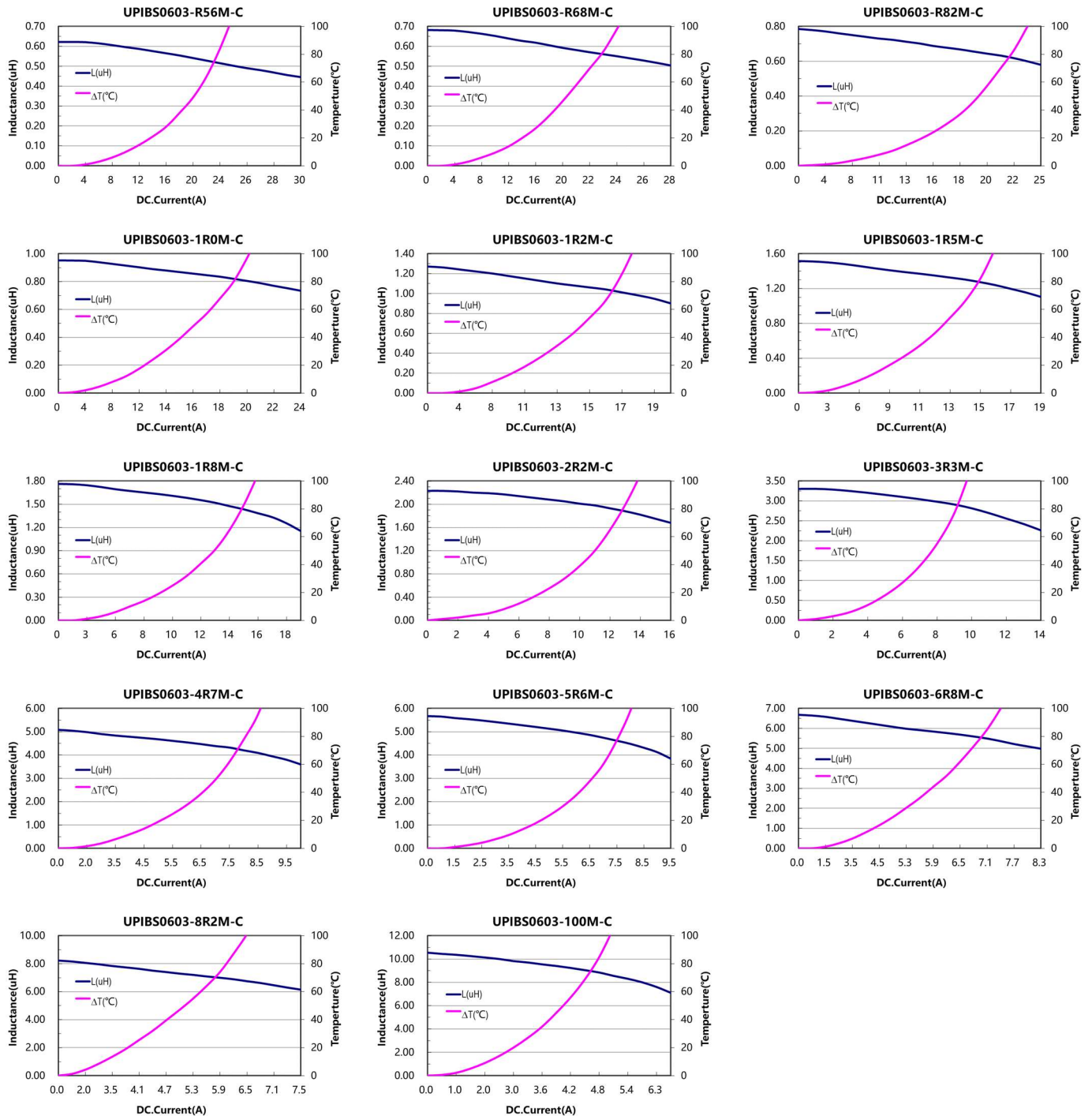
Note 3: Isat (Typ): DC current (A) that will cause L0 to drop approximately 30%

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

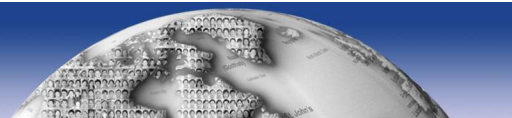
Note 4: Operating Temperature range includes self-temperature rise

Typical performance curves :





* 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.

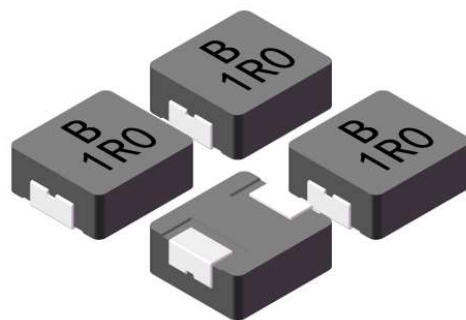


UPIB0804 SERIES

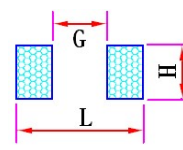
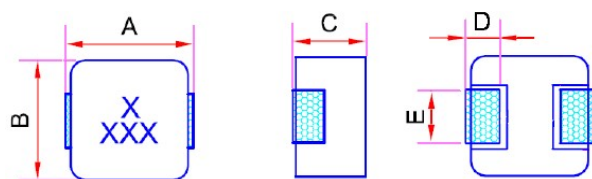
ULTRA HIGH CURRENT SMT POWER INDUCTOR.

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):



PAD LAYOUT

Item	A	B	C	D	E	G	H	L
UPIB0804	8.60±0.3	8.1±0.25	3.8±0.2	1.80±0.3	3.2±0.5	4.6	3.8	10.6

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 :

UPIB 0804 - 2R2 M - C

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

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

Characteristics:

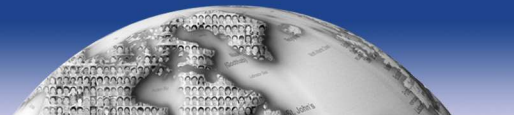
- Saturation Current (Isat) : The current causes L_0 dropped approximately 30% typically.
- Temperature Rise Current(Irms) : The current causes the coil temperature rised approximately $\Delta T=40^\circ\text{C}$ without core Loss.
- Operating Temperature : -55°C to 125°C .

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.



● UPIB0804 Series

Part No.	Inductance L(μH)	DCR (mΩ)		Isat(A) Typ.	Irms(A) Typ.	E mm ±0.5
		Typ.	Max.			
UPIB0804-R33M-C	0.33	1.43	1.90	45.0	28.0	3.2
UPIB0804-R47M-C	0.47	1.77	2.20	35.0	27.0	3.2
UPIB0804-3R3M-C	3.30	13.4	17.7	20.0	10.0	3.2
UPIB0804-100M-C	10.0	48.2	59.9	9.5	5.2	3.2
UPIB0804-220M-C	22.0	72.9	93.0	7.0	4.5	3.2
UPIB0804-330M-C	33.0	119.8	144.0	5.4	3.0	3.2

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25°C.

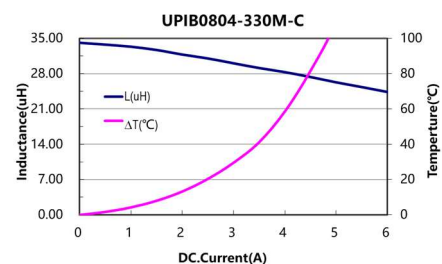
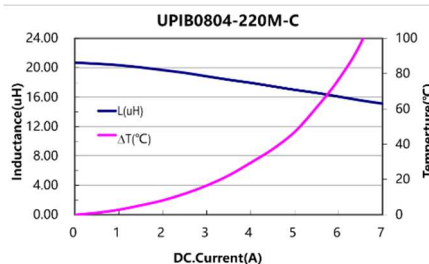
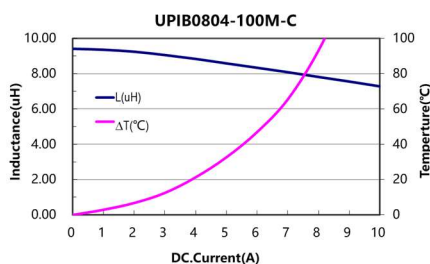
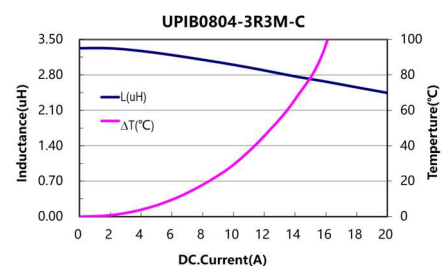
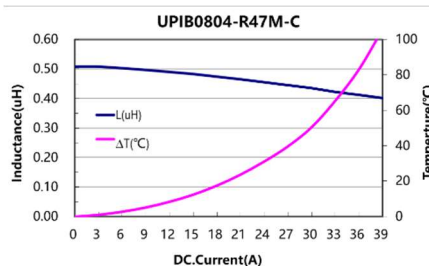
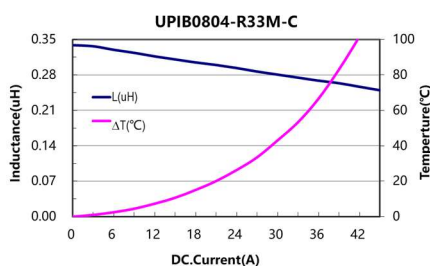
Note 2: Test Condition: 100kHz, 0.25 Vrms.

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

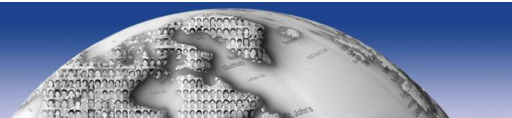
Irms (Typ): DC current (A) that will cause an approximate ΔT of 40°C

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.

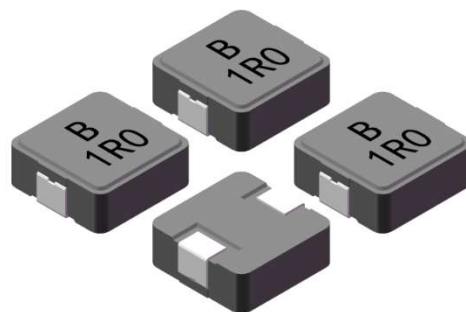


UPIB1004 SERIES

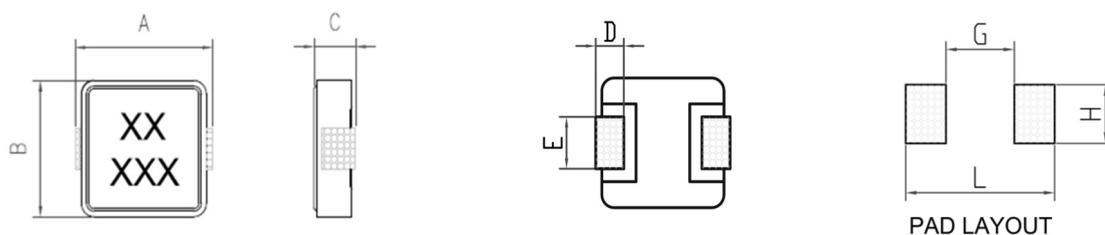
ULTRA HIGH CURRENT SMT POWER INDUCTOR.

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	B	C	D	E	G	H	L
UPIB1004	11.0±0.5	10.0±0.3	3.8±0.2	2.30±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 :

UPIB 1004 - 2R2 M - C
 (1) (2) (3) (4) (5)

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

Characteristics:

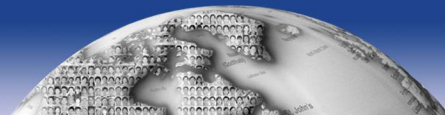
- Saturation Current (Isat) : The current causes L_0 dropped approximately 30% typically.
- Temperature Rise Current(Irms) : The current causes the coil temperature rised approximately $\Delta T=40^\circ\text{C}$ without core Loss.
- Operating Temperature : -55°C to 125°C .

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.

**● UPIB 1004 Series**

Part No.	Inductance L(uH)	DCR (mΩ)		Isat(A) Typ.	Irms(A) Typ.	E mm ±0.5
		Typ.	Max.			
UPIB1004-R56M-C	0.56	1.51	1.80	55.0	25.0	3.0
UPIB1004-1R0M-C	1.0	2.75	3.50	40.0	20.0	3.0
UPIB1004-1R5M-C	1.5	3.85	4.20	33.0	16.0	3.0
UPIB1004-2R2M-C	2.2	7.09	9.00	26.0	12.0	3.0
UPIB1004-3R3M-C	3.3	10.9	12.0	23.0	10.0	3.0
UPIB1004-4R7M-C	4.7	15.5	16.5	17.0	9.5	3.0
UPIB1004-6R8M-C	6.8	20.5	23.3	15.0	8.0	3.0
UPIB1004-100M-C	10.0	28.4	36.5	12.0	6.8	3.0
UPIB1004-220M-C	22.0	60.6	66.0	7.0	5.0	3.0
UPIB1004-330M-C	33.0	93.2	105.0	6.5	4.1	3.0
UPIB1004-470M-C	47.0	145.0	167.0	4.5	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.

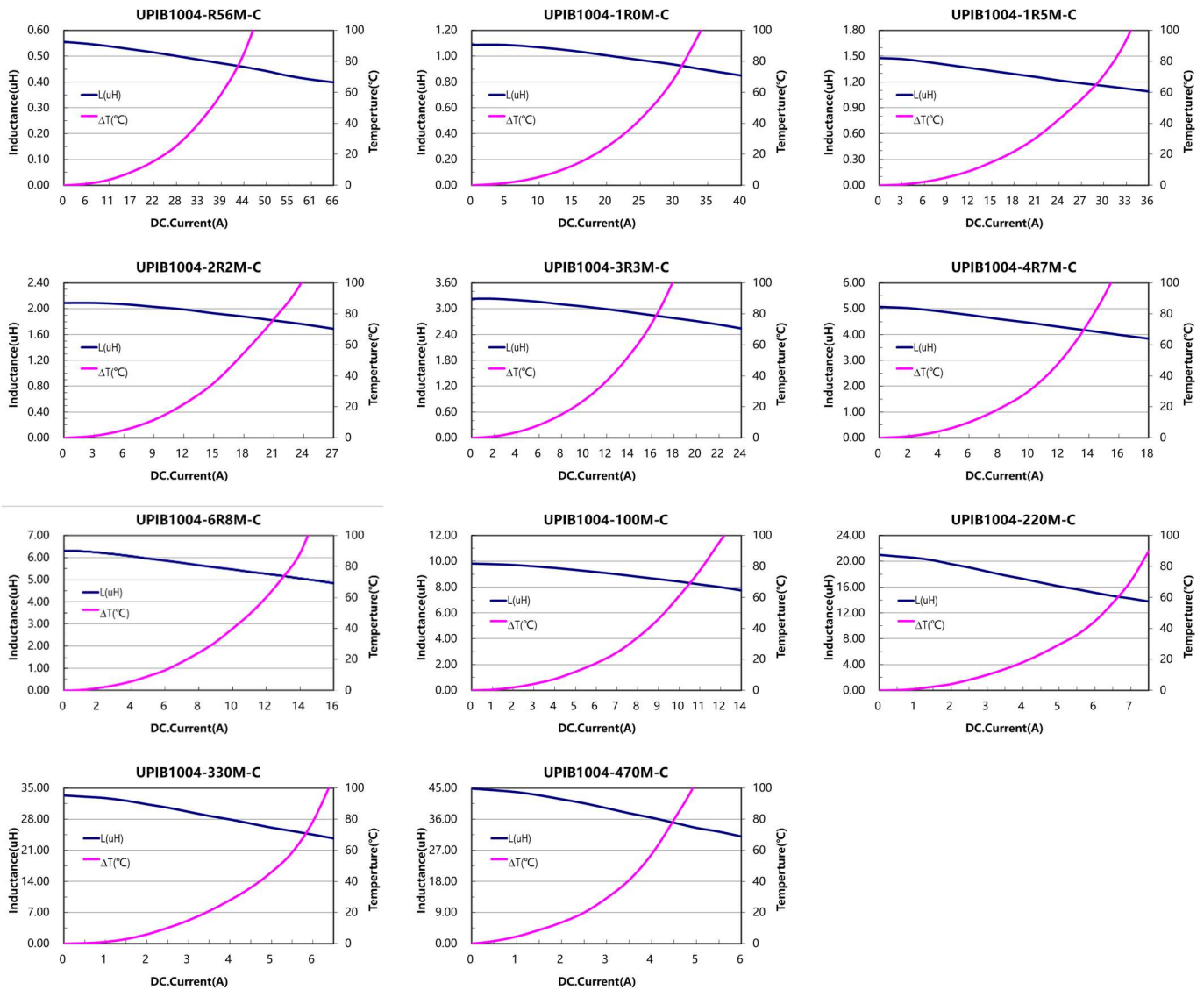
Note 3: Isat (Typ): DC current (A) that will cause L0 to drop approximately 30%

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

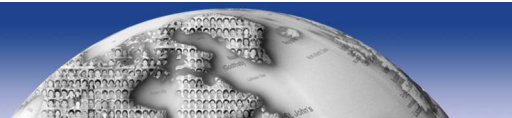
Note 4: Operating Temperature range includes self-temperature rise



Typical Performance curves:



* 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.

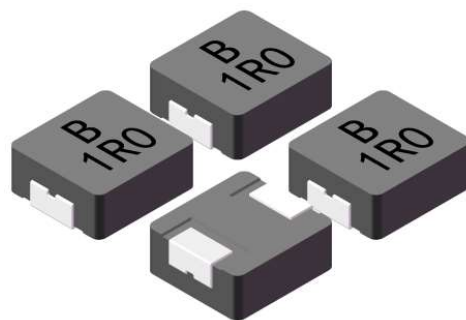


UPIB12 SERIES

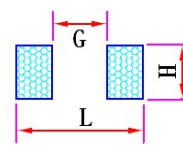
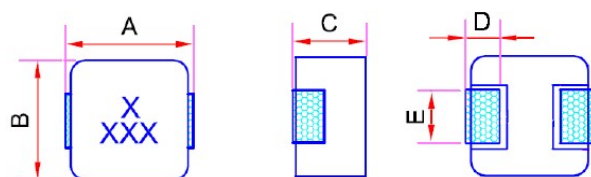
ULTRA HIGH CURRENT SMT POWER INDUCTOR.

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):



PAD LAYOUT

Item	A	B	C	D	E	G	H	L
UPIB1205	13.4±0.5	12.6±0.3	4.8±0.2	2.30±0.3	3.0±0.5	8.0	5.0	14.5
UPIB1265	13.4±0.5	12.6±0.3	6.3±0.2	2.30±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 :

UPIB 1205 - 2R2 M - C

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

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

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.



● UPIB 1205 Series

Part No.	Inductance L(uH)	DCR (mΩ)		Isat(A) Typ.	Irms(A) Typ.	E mm ±0.5
		Typ.	Max.			
UPIB1205-R47M-C	0.47	1.14	1.50	65.0	35.0	3.0
UPIB1205-R68M-C	0.68	1.33	1.70	54.0	34.0	3.0
UPIB1205-1R0M-C	1.00	2.04	2.50	50.0	29.0	3.0
UPIB1205-2R2M-C	2.20	4.40	5.50	32.0	20.0	3.0
UPIB1205-100M-C	10.0	23.5	28.0	17.5	9.0	3.0
UPIB1205-330M-C	33.0	73.9	78.0	9.0	5.2	3.0

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25°C.

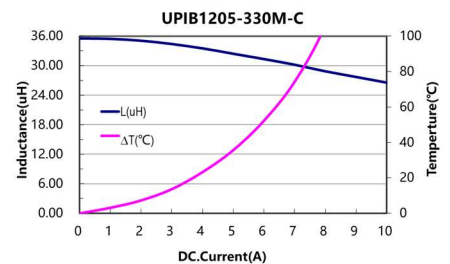
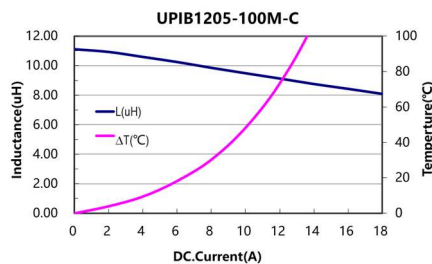
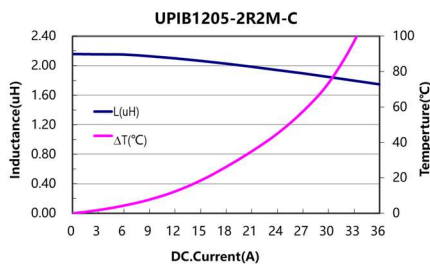
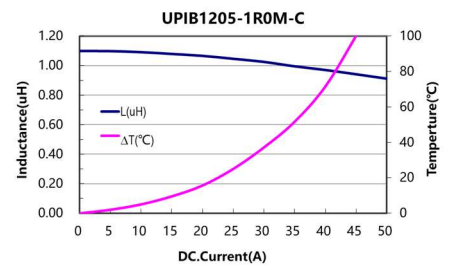
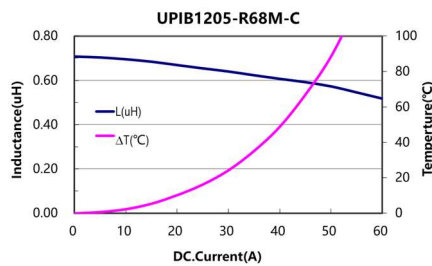
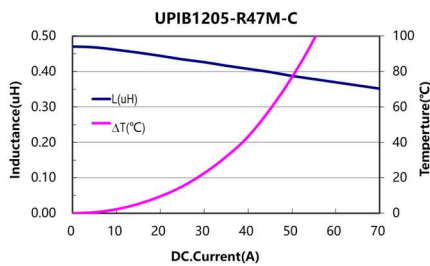
Note 2: Test Condition: 100kHz, 0.25 Vrms.

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 :





● UPIB 1265 Series

Part No.	Inductance L(uH)	DCR (mΩ)		Isat(A) Typ.	Irms(A) Typ.	E mm ±0.5
		Typ.	Max.			
UPIB1265-1R0M-C	1.0	1.59	1.90	51.0	35.0	3.0
UPIB1265-3R3M-C	3.3	4.35	5.20	40.0	20.0	3.0
UPIB1265-4R7M-C	4.7	5.97	7.20	32.0	18.0	3.0
UPIB1265-470M-C	47.0	74.2	90.0	9.0	4.5	3.0

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25°C.

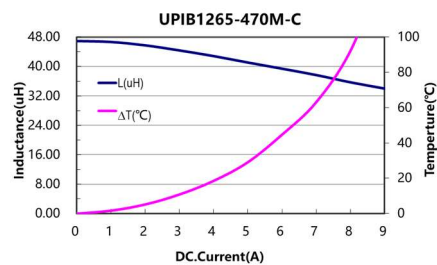
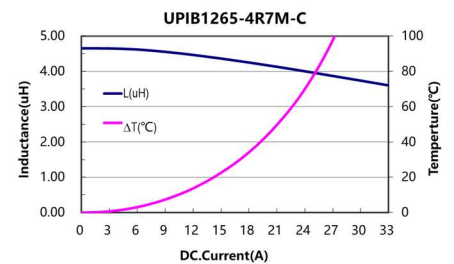
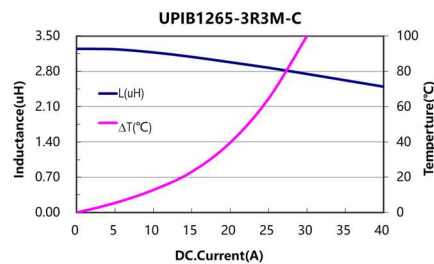
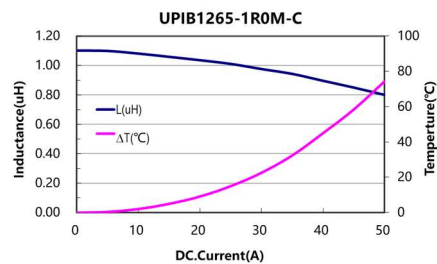
Note 2: Test Condition: 100kHz, 0.25 Vrms.

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

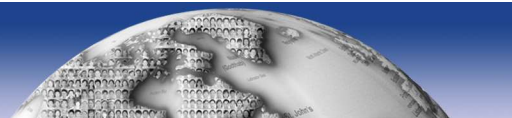
Irms (Typ): DC current (A) that will cause an approximate ΔT of 40°C

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.

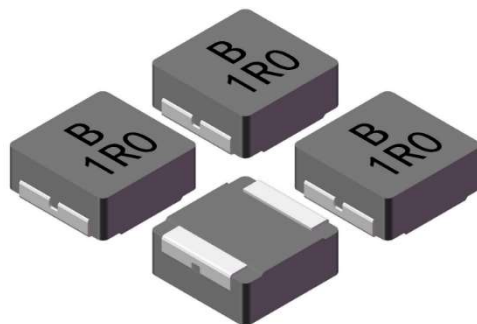


UPIB17 SERIES

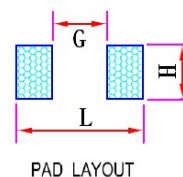
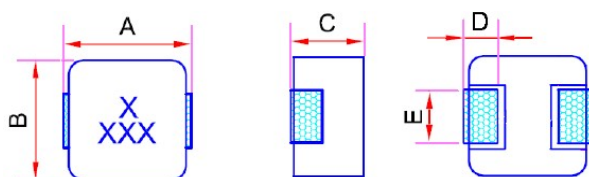
ULTRA HIGH CURRENT SMT POWER INDUCTOR.

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):



PAD LAYOUT

Item	A	B	C	D	E	G	H	L
UPIB1704	17.3±0.5	17.0±0.3	3.8±0.2	2.10±0.3	12.0±0.3	11.7	12.2	18.0
UPIB1707	17.3±0.5	17.0±0.3	6.7±0.3	2.10±0.3	12.0±0.3	11.7	12.2	18.0

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 :

UPIB 1704 - 2R2 M - C

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

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

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.



● UPIB1704 Series

Part No.	Inductance L(μH)	DCR (mΩ)		Isat(A) Typ.	Irms(A) Typ.	E mm ±0.3
		Typ.	Max.			
UPIB1704-2R2M-C	2.2	5.73	6.40	40.0	19.0	12
UPIB1704-3R3M-C	3.3	7.70	9.51	31.0	18.5	12
UPIB1704-4R7M-C	4.7	10.01	11.2	27.0	16.0	12
UPIB1704-6R8M-C	6.8	14.70	16.0	21.0	13.2	12
UPIB1704-8R2M-C	8.2	16.50	17.6	20.0	11.5	12
UPIB1704-100M-C	10.0	22.70	25.6	19.5	10.5	12

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25°C.

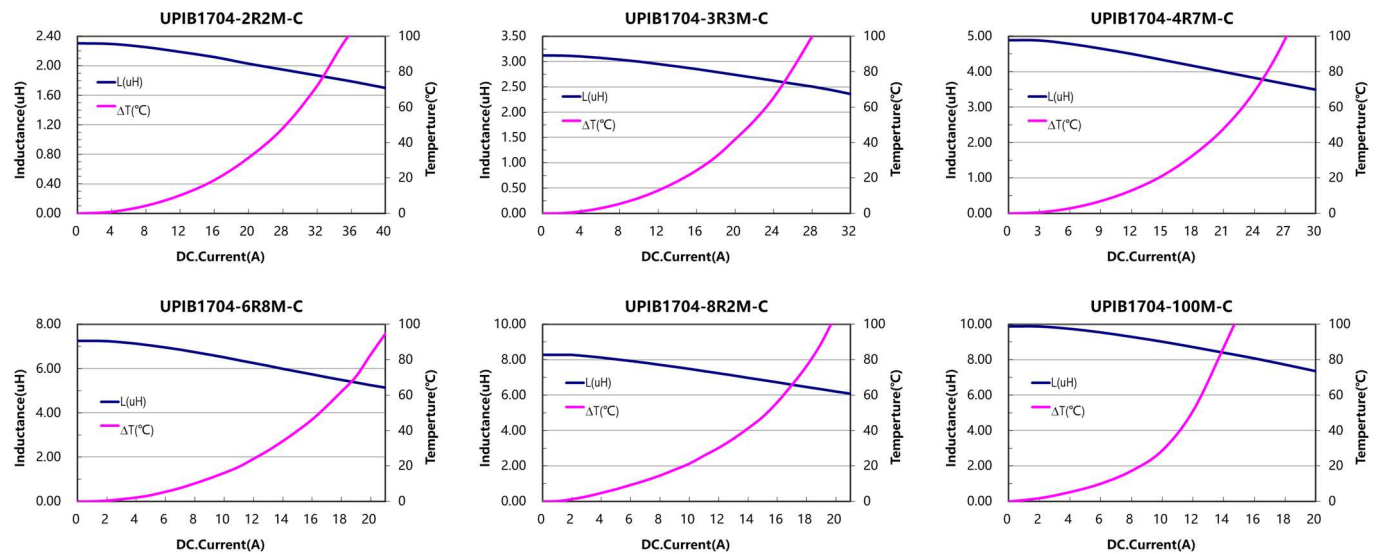
Note 2: Test Condition: 100kHz, 0.25 Vrms.

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 :





● UPIB1707 Series

Part No.	Inductance L(μH)	DCR (mΩ)		Isat(A) Typ.	Irms(A) Typ.	E mm ±0.3
		Typ.	Max.			
UPIB1707-1R5M-C	1.5	1.77	1.88	65.0	42.0	12
UPIB1707-4R7M-C	4.7	3.42	4.50	41.0	30.0	12
UPIB1707-5R6M-C	5.6	4.20	5.60	40.0	28.0	12
UPIB1707-6R8M-C	6.8	5.40	7.50	32.0	19.0	12
UPIB1707-100M-C	10.0	8.85	12.0	29.0	17.0	12
UPIB1707-150M-C	15.0	17.84	19.9	25.0	12.5	12
UPIB1707-220M-C	22.0	24.43	26.5	23.0	11.0	12
UPIB1707-470M-C	47.0	34.77	45.0	13.0	9.0	12

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25°C.

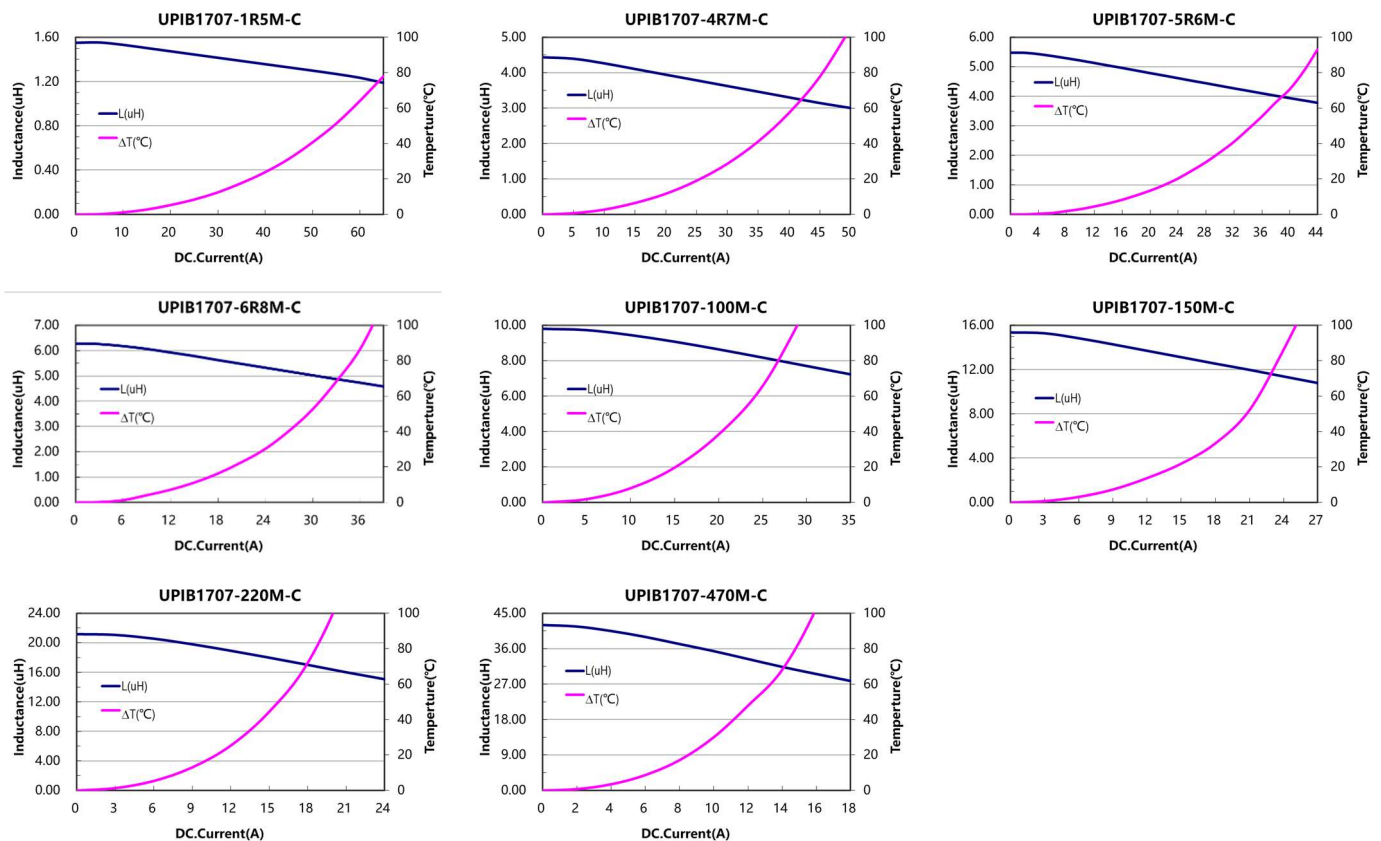
Note 2: Test Condition: 100kHz, 0.25 Vrms.

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

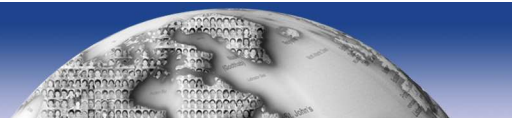
Irms (Typ): DC current (A) that will cause an approximate ΔT of 40°C

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.

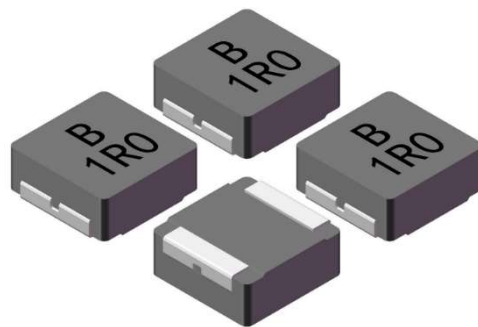


UPIB2213 SERIES

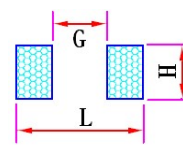
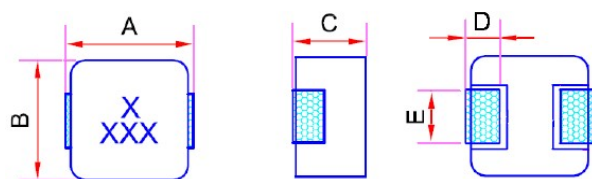
ULTRA HIGH CURRENT SMT POWER INDUCTOR.

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):



PAD LAYOUT

Item	A	B	C	D	E	G	H	L
UPIB2213	23.0±0.5	22.0±0.5	12.5±0.5	5.00±0.4	18.5±0.3	12.2	19.6	23.8

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 :

UPIB 2213 – 100 M – C

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

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

Characteristics:

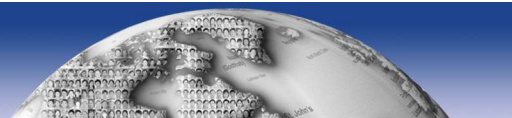
- Saturation Current (Isat) : The current causes L_0 dropped approximately 30% typically.
- Temperature Rise Current(Irms) : The current causes the coil temperature rised approximately $\Delta T=40^\circ\text{C}$ without core Loss.
- Operating Temperature : -55°C to 125°C .

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.



● UPIB2213 Series

Part No.	Inductance L(uH)	DCR (mΩ)		Isat(A) Typ.	Irms(A) Typ.	E mm ±0.3
		Typ.	Max.			
UPIB2213-100M-C	10.0	3.8	4.6	44.0	35.0	18.5
UPIB2213-150M-C	15.0	5.3	6.4	36.0	31.0	18.5
UPIB2213-330M-C	33.0	13.4	16.0	28.0	22.0	18.5

Note 1: Referenced ambient temperature 25°C.

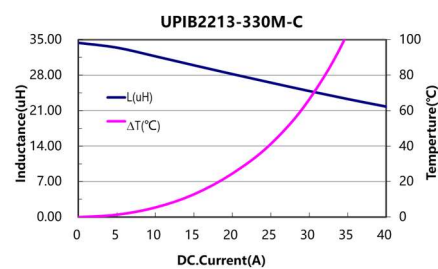
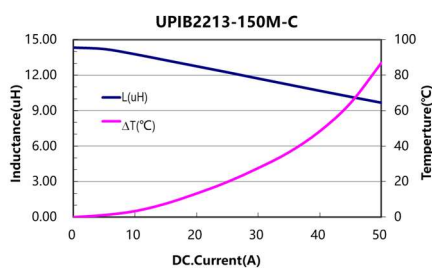
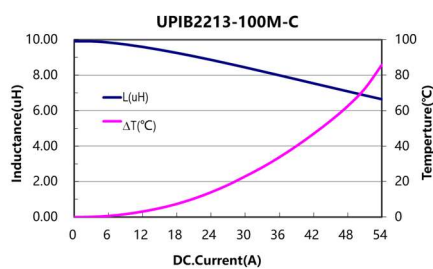
Note 2: Test Condition: 100kHz, 0.25 Vrms.

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.