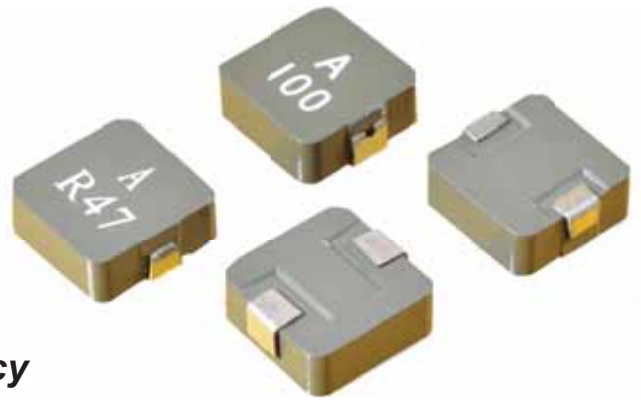


## Type UPI A/B 1004/1005 (0.30-10uH)



- # Ultra High Current
- # Lowest Height, Shielded Construction
- # Ultra Low buzz noise, due to composite construction
- # A type frequency up to 1MHz, B type frequency up to 5MHz.
- # RoHS compliant

**Inductance and rated current ranges:**

- UPIA 1004 0.30 ~ 10.0uH 28 ~ 5.0A
- UPIB 1004 0.30 ~ 10.0uH 28 ~ 5.0A
- UPIA 1005 0.36 ~ 10.0uH 35 ~ 7.0A
- UPIB 1005 0.36 ~ 10.0uH 35 ~ 7.0A

**Applications:**

- DC/DC converter for CPU in notebook
- Thin type on-board power supply module for exchanger
- VRM for server

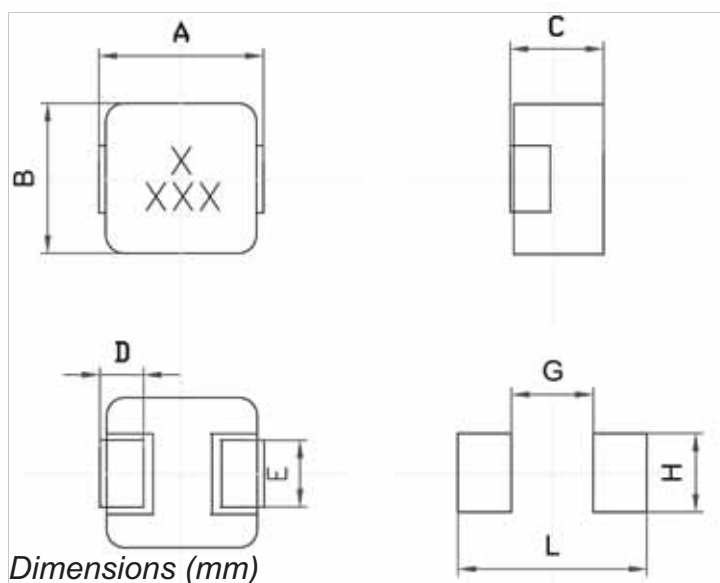
**Ordering Information**
**UPI A1004 — 1R5 M**

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

- (1) **Series:** Ultra High Current SMT Power Inductors
- (2) **Style:** A Type or B Type, 1004 is size
- (3) **Inductance:** 1R5 for 1.5 uH
- (4) **Inductance tolerance:** M: ±20%

Part No.	Inductance $L_0$ (uH)	Test Freq. (0.25V)	DCR mOHM Max.	Rated Current (A) Typ.	
				$I_{sat}$	$I_{rms}$
UPIA1004-R30M	0.30	100 KHz	1.40	40.0	28.0
UPIA1004-R36M	0.36	100 KHz	1.40	40.0	28.0
UPIA1004-R47M	0.47	100 KHz	1.60	38.0	26.0
UPIA1004-R56M	0.56	100 KHz	1.90	36.0	25.0
UPIA1004-R68M	0.68	100 KHz	2.40	32.0	23.0
UPIA1004-R88M	0.88	100 KHz	3.00	30.0	21.0
UPIA1004-1R0M	1.00	100 KHz	3.50	28.0	20.0
UPIA1004-1R5M	1.50	100 KHz	7.50	20.0	12.0
UPIA1004-2R2M	2.20	100 KHz	8.56	16.5	11.5
UPIA1004-3R3M	3.30	100 KHz	10.0	14.0	10.0
UPIA1004-4R7M	4.70	100 KHz	13.5	13.0	8.00
UPIA1004-5R6M	5.60	100 KHz	16.0	12.0	7.00
UPIA1004-6R8M	6.80	100 KHz	24.0	9.50	7.00
UPIA1004-8R2M	8.20	100 KHz	32.5	8.00	5.00
UPIA1004-100M	10.0	100KHz	35.0	7.0	5.00

Part No.	Inductance $L_0$ ( $\mu$ H)	Test Freq. (0.25V)	DCR mOHM Max.	Rated Current (A) Typ.	
				$I_{sat}$	$I_{rms}$
UPIA1005-R36M	0.36	100 KHz	0.92	40.0	35.0
UPIA1005-R47M	0.47	100 KHz	1.04	38.0	32.0
UPIA1005-R56M	0.56	100 KHz	1.21	36.0	30.0
UPIA1005-R60M	0.60	100 KHz	1.50	32.0	29.2
UPIA1005-R68M	0.68	100 KHz	1.50	32.0	29.2
UPIA1005-R82M	0.82	100 KHz	1.86	30.0	26.0
UPIA1005-1R0M	1.00	100 KHz	2.53	28.0	24.0
UPIA1005-1R5M	1.50	100 KHz	3.02	22.0	20.0
UPIA1005-1R8M	1.80	100 KHz	4.03	20.0	18.0
UPIA1005-2R2M	2.20	100 KHz	4.60	20.0	17.0
UPIA1005-2R7M	2.70	100KHz	8.50	18.0	14.0
UPIA1005-3R3M	3.30	100KHz	10.0	15.0	12.0
UPIA1005-4R7M	4.70	100KHz	12.0	13.0	10.0
UPIA1005-5R6M	5.60	100KHz	16.0	12.0	9.0
UPIA1005-6R8M	6.80	100KHz	20.0	10.0	8.0
UPIA1005-8R2M	8.20	100KHz	24.0	9.0	7.5
UPIA1005-100M	10.0	100KHz	28.0	8.0	7.0



	UPIA1004	UPIB1004	UPIA1005	UPIB1005
A(max)	11.8	11.8	11.8	11.8
B(max)	10.5	10.5	10.5	10.5
C(max)	4.2	4.2	5.0	5.0
D	2.3±0.3	2.3±0.3	2.3±0.3	2.3±0.3
E	3.0±0.5	3.0±0.5	3.0±0.5	3.0±0.5
G	5.4	5.4	5.4	5.4
H	4.5	4.5	4.5	4.5
L	12.4	12.4	12.4	12.4