

# Product Specification

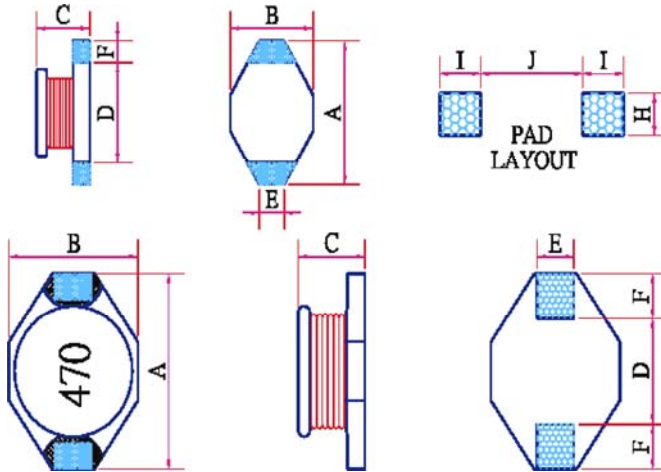


This product is certified to comply with the RoHS Directive 2002/95/EC.

## LPUB Series Unshielded Power Inductor

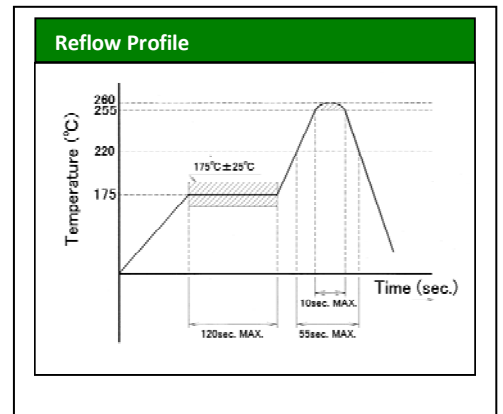


- High current rating
- Low cost
- Ideal for dc-dc converters



### Dimensions

Codes	A max	B max	C max.	D Ref.	E Ref.	F Ref.	H Ref.	I Ref.	J Ref.	Reel Qty
LPUB1608	6.60	4.45	2.92	4.32	1.18	1.02	3.5	1.6	0.8	2000
LPUB1813	8.89	6.10	4.70	5.00	2.54	1.60	3.5	1.6	0.8	1000
LPUB3308	12.95	9.40	3.50	7.62	2.54	2.54	4.5	1.75	1.5	1000
LPUB3316	12.95	9.40	5.21	7.62	2.54	2.54	4.5	1.75	1.5	1000
LPUB3340	12.95	9.40	11.43	7.62	2.54	2.54	5.5	2.15	1.7	225
LPUB5022	18.84	15.24	7.11	12.7	2.54	2.54	5.5	2.15	1.7	250



### Ordering Code Guide:

Series Code	Tolerance	Inductance
LPUB1608	K: ±10%	1R0: 1.0uH
	M: ±20%	100: 10.0uH
		101: 100.0uH

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## L PUB Series Unshielded Power Inductor

### L PUB1608

Inductance Code	L (uH)	Tolerance	DCR ( $\Omega$ ) max.	SRF Ref (MHz)	I sat (A)	I rms (A)
1R0	1.0	M	0.05	130	2.90	2.90
1R5	1.5	M	0.05	115	2.60	2.80
2R2	2.2	M	0.07	90	2.30	2.40
3R3	3.3	M	0.08	70	2.00	2.00
4R7	4.7	M	0.09	50	1.50	1.50
6R8	6.8	M	0.13	45	1.20	1.40
100	10.0	M	0.16	35	1.10	1.10
150	15.0	M	0.23	30	0.90	1.20
220	22.0	M	0.37	20	0.70	0.80
330	33.0	M	0.51	15	0.58	0.60
470	47.0	M	0.64	14	0.50	0.50
680	68.0	M	0.86	11	0.40	0.40
101	100	M	1.27	9.0	0.31	0.30
151	150	M	2.00	6.0	0.27	0.25
221	220	M	3.11	5.5	0.22	0.20
331	330	M	3.80	5.0	0.18	0.16
471	470	M	6.20	4.0	0.16	0.15
681	680	M	9.20	3.0	0.14	0.12
821	820	M	14.0	2.0	0.10	0.07
102	1000	M	14.0	2.0	0.10	0.07

### L PUB1813

Inductance Code	L (uH)	Tolerance	DCR ( $\Omega$ ) max.	SRF Ref (MHz)	I sat (A)	I rms (A)
R18	0.18	M	0.007	800	14.0	10.0
R33	0.33	M	0.008	600	10.0	7.0
R56	0.56	M	0.010	200	7.7	6.0
1R2	1.2	M	0.017	140	5.3	4.4
2R2	2.2	M	0.035	100	3.5	3.1
3R3	3.3	M	0.040	80	3.0	2.7
4R7	4.7	M	0.0054	50	2.6	2.2
6R8	6.8	M	0.080	45	2.2	1.8
100	10.0	M	0.111	40	1.9	1.5
150	15.0	M	0.170	30	1.5	1.2
220	22.0	M	0.250	25	1.2	1.0
330	33.0	M	0.350	20	0.99	0.82
470	47.0	M	0.470	15	0.87	0.72
680	68.0	M	0.730	10	0.67	0.56
101	100	M	1.110	8	0.53	0.47

Issue No. 1

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## L PUB Series Unshielded Power Inductor

### L PUB3308

Inductance Code	L (uH)	Tolerance	DCR (Ω) max.	SRF Ref (MHz)	I sat (A)	I rms (A)
100	10.0	M	0.11	35	2.4	2.00
150	15.0	M	0.15	33	2.0	1.50
220	22.0	M	0.23	25	1.6	1.30
330	33.0	M	0.30	19	1.4	1.10
470	47.0	M	0.39	14	1.0	0.80
680	68.0	M	0.66	12	0.9	0.70
101	100	M	0.84	10	0.7	0.60
151	150	M	1.20	8.0	0.6	0.50
221	220	M	1.90	6.0	0.5	0.40
331	330	M	2.70	5.0	0.4	0.30
471	470	M	4.00	4.0	0.3	0.20
681	680	M	5.30	3.0	0.2	0.10
102	1000	M	8.40	2.5	0.1	0.05

### L PUB3316

Inductance Code	L (uH)	Tolerance	DCR (Ω) max.	SRF Ref (MHz)	I sat (A)	I rms (A)
1R0	1.0	M	0.009	100	9.00	6.80
1R5	1.5	M	0.010	90	8.00	6.40
2R2	2.2	M	0.012	80	7.00	6.10
3R3	3.3	M	0.015	65	6.40	5.40
4R7	4.7	M	0.018	45	5.40	4.80
6R8	6.8	M	0.027	38	4.60	4.40
100	10.0	M	0.038	30	3.80	3.90
150	15.0	M	0.046	27	3.00	3.10
220	22.0	M	0.085	19	2.60	2.70
330	33.0	M	0.100	15	2.00	2.10
470	47.0	M	0.140	12	1.60	1.80
680	68.0	M	0.200	10	1.40	1.50
101	100	M	0.280	9.0	1.20	1.30
151	150	M	0.400	6.0	1.00	1.00
221	220	M	0.610	5.0	0.80	0.80
331	330	M	1.020	4.5	0.60	0.60
471	470	M	1.270	3.5	0.50	0.50
681	680	M	2.020	2.5	0.40	0.40
102	1000	M	3.000	2.0	0.30	0.30

### L PUB3340

Inductance Code	L (uH)	Tolerance	DCR (Ω) max.	SRF Ref (MHz)	I sat (A)	I rms (A)
100	10.0	M	0.04	22	8.00	3.50
150	15.0	M	0.05	18	7.00	3.00
220	22.0	M	0.07	11	5.50	2.50
330	33.0	M	0.08	9.0	4.00	2.00
470	47.0	M	0.11	8.0	3.80	1.60
680	68.0	M	0.17	7.0	3.00	1.20
101	100	M	0.22	5.0	2.50	1.20
151	150	M	0.34	4.0	2.00	0.90
221	220	M	0.44	3.5	1.60	0.70
331	330	M	0.70	2.5	1.20	0.60
471	470	M	0.95	2.0	1.00	0.30
681	680	M	1.20	2.0	1.00	0.20
102	1000	M	2.00	1.5	0.80	0.10

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## L PUB Series Unshielded Power Inductor

L PUB5022

Inductance Code	L (uH)	Tolerance	DCR ( $\Omega$ ) max.	SRF Ref (MHz)	I sat (A)	I rms (A)
1R0	1.0	M	0.009	80	20	8.60
2R2	2.2	M	0.014	80	16	7.10
3R3	3.3	M	0.018	60	14	6.20
5R6	5.6	M	0.020	40	12	5.30
100	10.0	M	0.031	30	10	4.30
150	15.0	M	0.036	22	8.0	4.00
220	22.0	M	0.047	20	7.0	3.50
330	33.0	M	0.066	15	5.5	3.00
470	47.0	M	0.086	9.0	4.5	2.60
680	68.0	M	0.130	8.0	3.5	2.30
101	100	M	0.190	7.0	3.0	1.80
151	150	M	0.250	6.0	2.6	1.50
221	220	M	0.380	5.0	2.4	1.20
331	330	M	0.560	4.0	1.9	1.00
471	470	M	0.850	3.0	1.4	0.82
681	680	M	1.100	2.5	1.2	0.72
102	1000	M	11.800	2.0	1.0	0.56

Issue No. 1