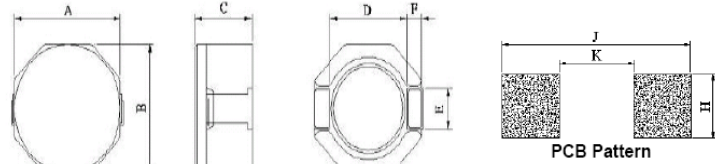


Product Specification



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

LPSA Series Shielded Power Inductor

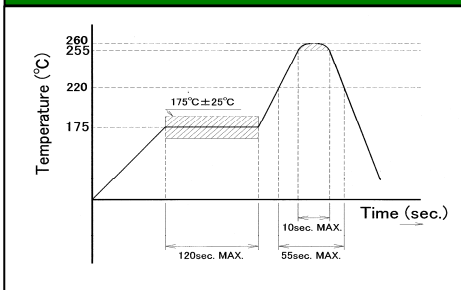


- Magnetically shielded construction
- High current rating
- Suitable for DC to DC converters

Dimensions

Codes	A	B	C max	D ref	E ref	F ref	H	J	K
LPSA0830	8.0±0.3	8.0±0.3	3.0	6.3	2.5	1.2	2.8	10.1	6.1
LPSA0840	8.0±0.3	8.0±0.3	4.0	6.3	2.5	1.2	2.8	10.1	6.1
LPSA0845	8.0±0.3	8.0±0.3	4.5	6.3	2.5	1.2	2.8	10.1	6.1

Reflow Profile



Ordering Code Guide:

Series Code	Dimensions	Tolerance	Inductance
LPSA	0830: 8.0x8.0x3.0	N: ±30%	1R1: 1.1uH
	0840: 8.0x8.0x4.0		470: 47uH
	0845: 8.0x8.0x4.5		101: 100uH

Standard packing :
0830/0840 Series :1k /reel, 0845 Series: 500/reel
Smaller quantities: Bulk

Codes	L (uH)	Tolerance	0830		0840		0845	
			DCR (mΩ) max.	IDC (A) max.	DCR (mΩ) max.	IDC (A) max.	DCR (mΩ) max.	IDC (A) max.
1R0	1.0	N	11.0	6.5			9.50	9.0
1R2	1.2	N					12.2	8.0
1R8	1.8	N			15.6	7.0		
2R0	2.0	N					14.0	7.0
2R5	2.5	N	15.6	4.5	17.5	6.5		
3R3	3.3	N	18.2	4.0				
3R5	3.5	N			24.0	5.0		
3R9	3.9	N					19.0	5.9
4R7	4.7	N	24.7	3.4	29.0	4.6	22.0	5.6
6R0	6.0	N			32.0	4.2		
6R8	6.8	N					25.0	4.4
7R3	7.3	N	39.0	2.80				
100	10	N	47.0	2.50	48.0	3.0	36.0	4.0
150	15	N	69.0	1.90	67.0	2.75	53.0	2.9
220	22	N	99.0	1.60	105	2.30	75.0	2.6
330	33	N	156	1.30	157	1.75	125	2.2
470	47	N	195	1.15	189	1.52	150	1.8
680	68	N	286	0.92	290	1.30	240	1.5
101	100	N	430	0.75	410	1.05	360	1.3

Test condition:

0830 Type: 100kHz, 0.25V; 0840/0845 Type: 100kHz, 0.1V

Issue No. 1 22/06/2010

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