

SURFACE-MOUNT POWER INDUCTORS

ASPI-T SERIES

0402T, 0802T, 0804T, 0810T, 1109T, 1306T



FEATURES:

- Very small Foot Print
- Flat-top for Pick & Place
- Increased Size Selection Guide

OPTIONS:

- Tape & Reel is Standard
Bulk Packaging Available for Smaller Quantities
- Tolerance: 20% is Standard
- Custom Design Available

COMMON APPLICATIONS:

- Ideal for Palm-Top and Laptop DC to DC converters
- PDA's flash memory
- Step-up, step-down converters

STANDARD SPECIFICATIONS

Part Number # - xxx	L (μH) ±20%	DCR (Ω) Max						IDC (A) Max					
		ASPI 0402T	ASPI 0802T	ASPI 0804T	ASPI 0810T	ASPI 1109T	ASPI 1306T	ASPI 0402T	ASPI 0802T	ASPI 0804T	ASPI 0810T	ASPI 1109T	ASPI 1306T
1R0	1.0	0.05		0.009			0.011	2.90		9.0			8.60
1R5	1.5	0.05		0.010				2.60		8.0			
2R2	2.2	0.06		0.012			0.014	2.30		7.0			7.10
3R3	3.3	0.07		0.015			0.016	2.00		6.4			6.20
4R7	4.7	0.08		0.018				1.50		5.4			
5R6	5.6						0.022						5.30
6R8	6.8	0.11		0.027				1.20		4.6			
100	10	0.14	0.09	0.038	0.033	0.06	0.032	1.10	2.00	3.8	3.50	3.50	4.30
120	12					0.07						3.40	
150	15	0.20	0.12	0.046	0.042	0.08	0.036	0.90	1.50	3.0	3.00	3.10	4.00
180	18					0.09						3.00	
220	22	0.32	0.19	0.085	0.054	0.10	0.047	0.70	1.30	2.6	2.50	2.60	3.50
270	27					0.11						2.40	
330	33	0.44	0.25	0.1	0.08	0.12	0.066	0.58	1.10	2.0	2.00	2.30	3.00
390	39					0.14						2.10	
470	47	0.56	0.32	0.14	0.10	0.17	0.087	0.50	0.80	1.6	1.60	1.95	2.60
560	56					0.19						1.85	
680	68	0.75	0.55	0.20	0.17	0.22	0.13	0.40	0.70	1.4	1.20	1.65	2.30
820	82					0.25						1.50	
101	100	1.10	0.70	0.28	0.22	0.35	0.19	0.31	0.60	1.2	1.20	1.40	1.80
121	120					0.40						1.30	
151	150	1.70	1.00	0.40	0.34	0.47	0.25	0.27	0.50	1.0	0.90	1.20	1.50
181	180					0.63						1.00	
221	220	2.30	1.60	0.61	0.44	0.73	0.38	0.22	0.40	0.8	0.70	0.95	1.20
271	270					0.97						0.90	
331	330	3.30	2.20	1.02	0.70	1.15	0.56	0.18	0.30	0.6	0.60	0.80	1.00
391	390					1.30						0.75	
471	470	4.40	3.30	1.27	0.95	1.48	0.85	0.16	0.20	0.5	0.30	0.65	0.82
561	560					1.90						0.60	
681	680	6.80	4.40	2.02	1.20	2.45	1.2	0.14	0.10	0.4	0.20	0.50	0.72
821	820					2.55						0.48	
102	1000	12.00	7.00	3.00	2.00	3.00	1.8	0.10	0.05	0.3	0.10	0.46	0.56
122	1200					3.50						0.35	

TECHNICAL INFORMATION:

Measuring Frequency (L) : 100KHz, 0.1Vrms
 Operating Temperature: -40°C to +85°C

**OUTLINE DRAWINGS
 REFER TO PAGE 86**

Note: All specifications subject to change without notice.



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PHYSICAL CHARACTERISTICS Dimensions: (Inch)

Part Numbers			
ASPI-1306T-XXX			
ASPI-0402T-XXX			
ASPI-0802T-XXX			
ASPI-0804T-XXX			
ASPI-0810T-XXX			
ASPI-1109T-XXX			

Tolerance: X.XX = ± 0.030, X.XXX = ± 0.010

SEE PAGE 85 FOR
STANDARD SPECIFICATIONS