

SURFACE-MOUNT POWER INDUCTORS

ASPI-T SERIES : 0802T, 0804T, 0810T, 1109T, 1306T



RoHS
Compliant

FEATURES:

- Very small foot print
- Flat-top for pick & place
- Increased size selection guide

APPLICATIONS:

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

OPTIONS:

- Tape & Reel is standard
- Bulk packaging available for smaller quantities
- Custom design available

ELECTRICAL SPECIFICATIONS:

PARAMETERS	Measuring Frequency (L) : 100KHz, 0.1VRMS
ABRACON P/N: ASPI-0802T - 1306T	Tolerance: Add -M=20% (Standard) to the part no.
Operating temperature: -40°C to + 125°C	Add -T for tape and reel
Storage temperature: -40°C to + 125°C	IDC: L drops 10% typical from initial value at IDC

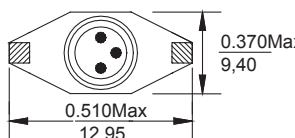

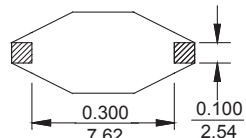
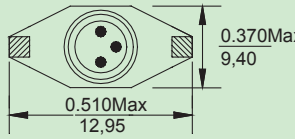

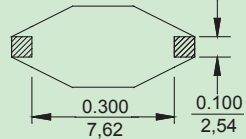
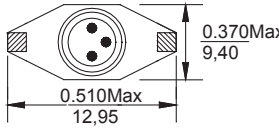

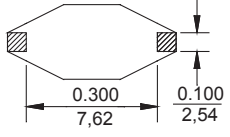

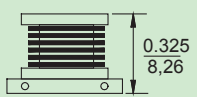
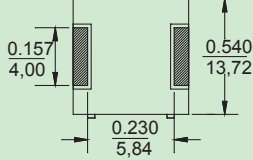
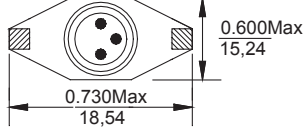

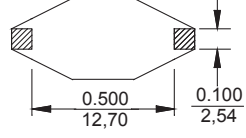
Part No - XXX	L (μH) ±20%	DCR (Ω) Max						I _{DC} (A) Max				
		ASPI 0802T	ASPI 0804T	ASPI 0810T	ASPI 1109T	ASPI 1306T	ASPI 0402T	ASPI 0802T	ASPI 0804T	ASPI 0810T	ASPI 1109T	ASPI 1306T
1R0	1.0		0.009			0.011	2.90		9.0			20.0
1R5	1.5		0.010				2.60		8.0			
2R2	2.2		0.012			0.014	2.30		7.0			16.0
3R3	3.3		0.015			0.016	2.00		6.4			14.0
4R7	4.7		0.018	0.009			1.50		5.4	10.0		
5R6	5.6					0.022						12.0
6R8	6.8		0.027				1.20		4.6			
100	10	0.11	0.038	0.033	0.06	0.032	1.10	2.40	3.8	8.00	3.50	10.0
120	12				0.07	0.034					3.40	9.0
150	15	0.15	0.046	0.042	0.08	0.036	0.90	2.00	3.0	7.00	3.10	8.0
180	18				0.09						3.00	
220	22	0.23	0.085	0.054	0.10	0.047	0.70	1.60	2.6	5.50	2.60	7.0
270	27				0.11						2.40	
330	33	0.30	0.11	0.08	0.12	0.066	0.58	1.40	2.0	4.00	2.30	5.5
390	39				0.14						2.10	
470	47	0.39	0.14	0.10	0.17	0.087	0.50	1.00	1.6	3.80	1.95	4.5
560	56				0.19						1.85	
680	68	0.66	0.20	0.17	0.22	0.13	0.40	0.90	1.4	3.00	1.65	3.5
820	82				0.25						1.50	
101	100	0.84	0.28	0.22	0.35	0.19	0.31	0.70	1.2	2.50	1.40	3.0
121	120				0.40						1.30	
151	150	1.2	0.40	0.34	0.47	0.25	0.27	0.60	1.0	2.00	1.20	2.6
181	180		0.52		0.63				0.9		1.00	
221	220	1.9	0.61	0.44	0.73	0.38	0.22	0.50	0.8	1.60	0.95	2.4
271	270				0.97						0.90	
331	330	2.7	1.02	0.70	1.15	0.56	0.18	0.40	0.6	1.20	0.80	1.9
391	390				1.30						0.75	
471	470	4.0	1.27	0.95	1.48	0.85	0.16	0.30	0.5	1.00	0.65	1.4
561	560				1.90						0.60	
681	680	5.3	2.02	1.20	2.45	1.2	0.14	0.20	0.4	1.00	0.50	1.2
821	820				2.55						0.48	
102	1000	8.4	3.00	2.00	3.00	1.8	0.10	0.10	0.3	0.80	0.46	1.0
122	1200				3.50						0.35	
222	2200		7.00						0.2			



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PART NUMBERS	DIMENSIONS : INCH / MM		
ASPI-0802T			
ASPI-0804T			
ASPI-0810T			
ASPI-1109T			
ASPI-1306T			

• Tolerance: X.XX = ±0.030, X.XXX=±0.010
 Note: All specifications subject to change without notice.

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