

SURFACE-MOUNT POWER WOUND CHIP INDUCTORS FASPI-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
[Qty:2000pcs]
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
PDAs flash memory
Step-up, step down Converters

STANDARD SPECIFICATION:

Part Number	L[μ H] ± 20	DCR[ohm]Max						IDC(A)Max					
		FASPI 0402T	FASPI 0802T	FASPI 0804T	FASPI 0810T	FASPI 1109T	FASPI 1306T	FASPI 0402T	FASPI 0802T	FASPI 0804T	FASPI 0810T	FASPI 1109T	FASPI 1306T
1R0	1.0	0.05		0.009			0.011	2.90		9.0			20.00
1R5	1.5	0.05		0.010				2.60		8.0			
2R2	2.2	0.06		0.012			0.014	2.30		7.0			16.00
3R3	3.3	0.07		0.015			0.016	2.00		6.4			14.00
4R7	4.7	0.08		0.018				1.50		5.4			
5R6	5.6			0.025			0.022			5.0			12.00
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	2.40	3.8	8.00	3.50	10.00
120	12					0.07						3.40	
150	15	0.20	0.12	0.046	0.042	0.08	0.036	0.90	2.00	3.0	7.00	3.10	8.00
180	18					0.09						3.00	
220	22	0.32	0.19	0.085	0.054	0.10	0.047	0.70	1.60	2.6	5.50	2.60	7.00
270	27					0.11						2.40	
330	33	0.44	0.25	0.10	0.08	0.12	0.066	0.58	1.40	2.0	4.00	2.30	5.50
390	39					0.14						2.10	
470	47	0.56	0.32	0.14	0.10	0.17	0.087	0.50	1.00	1.6	3.80	1.95	4.50
560	56					0.19						1.85	
680	68	0.75	0.55	0.20	0.17	0.22	0.13	0.40	0.90	1.4	3.00	1.65	3.50
820	82					0.25						1.50	
101	100	1.10	0.70	0.28	0.22	0.35	0.19	0.31	0.70	1.2	2.50	1.40	3.00
121	120					0.40						1.30	
151	150	1.70	1.00	0.40	0.34	0.47	0.25	0.27	0.60	1.0	2.00	1.20	2.60
181	180					0.63						1.00	
221	220	2.30	1.60	0.61	0.44	0.73	0.38	0.22	0.50	0.8	1.60	0.95	2.40
271	270					0.97						0.90	
331	330	3.30	2.20	1.02	0.70	1.15	0.56	0.18	0.40	0.6	1.20	0.80	1.90
391	390					1.30						0.75	
471	470	4.40	3.30	1.27	0.95	1.48	0.85	0.16	0.30	0.5	1.00	0.65	1.40
561	560					1.90						0.60	
681	680	6.80	4.40	2.02	1.20	2.45	1.2	0.14	0.20	0.4	1.00	0.50	1.20
821	820					2.55						0.48	
102	1000	12.00	7.00	3.00	2.00	3.00	1.8	0.10	0.10	0.3	0.80	0.46	1.00
122	1200					3.50						0.35	

TECHNICAL INFORMATION:

- measuring Frequency(L):1KHz,0.1Vrms,HP4284A
- Operating Temperature:-40°C to+85°C
- Storage Temperature: -40°C to +105°C
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260°C for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

PHYSICAL CHARACTERISTICS

Outline drawings
refer to next Page

Note: All specifications subject to change without notice.

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PDA's flash memory
Step-up,step-down Converters

PHYSICAL CHARACTERISTICS Dimensions:(Inch)

Part Numbers	PHYSICAL CHARACTERISTICS
FASPI-1306T-XXX	
FASPI-0402T-XXX	
FASPI-0802T-XXX	
FASPI-0804T-XXX	
FASPI-0810T-XXX	
FASPI-1109T-XXX	

Tolerance:X.XX=±0.030.X.XXX=±0.0