

## SURFACE-MOUNT POWER 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  
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 SPECIFICATION:

Part Number	L( H) 20%	DCR 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

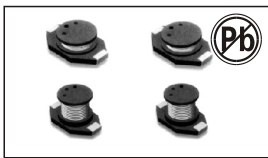
## TECHNICAL INFORMATION:

## PHYSICAL CHARACTERISTICS

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

Outline drawings  
refer to next Page

Note: All specifications subject to change without notice.



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## 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= 0.010