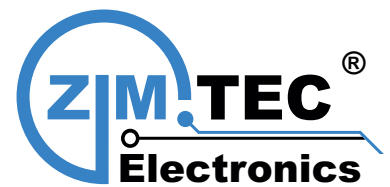


SPI-T SERIES

0402T,0802T,0804T,0810T,1109T,1306T
SURFACE-MOUNT POWER INDUCTORS



FEATURES:

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

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 (μH) ± 20%	DCR (Ω) Max						IDC (A) Max					
		SPI 0402T	SPI 0802T	SPI 0804T	SPI 0810T	SPI 1109T	SPI 1306T	SPI 0402T	SPI 0802T	SPI 0804T	SPI 0810T	SPI 1109T	SPI 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: Infrared Reflow, Vapor Phase
- Resistance to soldering heat: 260 °C for 10 seconds
- Solvent resistance: Comforms to MIL-STD-202E
- Marking: Inductance & Tolerance

ZimTec Electronics GmbH

Franz-Mehring-Weg 2, 39606 Osterburg, Germany

E-mail : info@zimtec-electronics.de

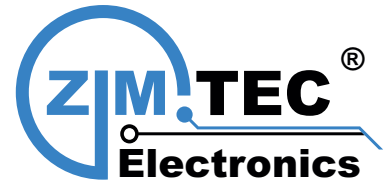
Web : www.zimtec-electronics.de

Last Update : 01.Jun.2015

SPI-T SERIES

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

SURFACE-MOUNT POWER INDUCTORS



PHYSICAL CHARACTERISTICS Dimensions:(Inch):

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

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

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