

# SURFACE-MOUNT POWER INDUCTORS



## 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 (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			
D DL22-1.0	1.0	0.05		0.009			0.011	2.90		9.0			20.00			
D DL22-1.5	1.5	0.05		0.010				2.60		8.0						
D DL22-2.2	2.2	0.06		0.012			0.014	2.30		7.0			16.00			
D DL22-3.3	3.3	0.07		0.015			0.016	2.00		6.4			14.00			
D DL22-4.7	4.7	0.08		0.018				1.50		5.4						
D DL22-5.6	5.6			0.025			0.022			5.0			12.00			
D DL22-6.8	6.8	0.11		0.027				1.20		4.6						
D DL22-10	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			
D DL22-12	12					0.07						3.40				
D DL22-15	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			
D DL22-18	18					0.09						3.00				
D DL22-22	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			
D DL22-27	27					0.11						2.40				
D DL22-33	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			
D DL22-39	39					0.14						2.10				
D DL22-47	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			
D DL22-56	56					0.19						1.85				
D DL22-68	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			
D DL22-82	82					0.25						1.50				
D DL22-100	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			
D DL22-120	120					0.40						1.30				
D DL22-150	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			
D DL22-180	180					0.63						1.00				
D DL22-220	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			
D DL22-270	270					0.97						0.90				
D DL22-330	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			
D DL22-390	390					1.30						0.75				
D DL22-470	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			
D DL22-560	560					1.90						0.60				
D DL22-680	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			
D DL22-820	820					2.55						0.48				
D DL22-1000	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			
D DL22-1200	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

Note: All specifications subject to change without notice.

## PHYSICAL CHARACTERISTICS

