

# SHIELDED SURFACE-MOUNT POWER INDUCTORS

## SPI0802S SERIES



### FEATURES:

- Current up to 4A
- Very Small Foot Print
- Flat-top for Pick & Place

### COMMON APPLICATIONS:

- Ideal for Palm-Top and Laptop DC-DC Converters
- PDA's Flash Memory
- Step-up, Step-down Converters

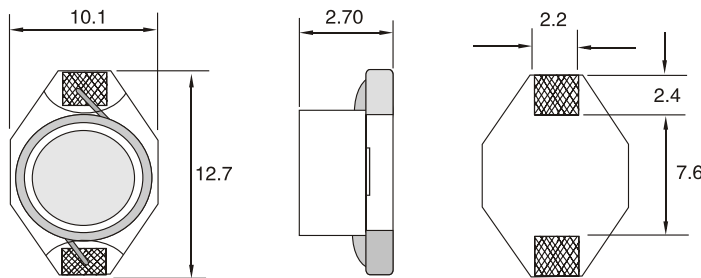
## ELECTRICAL CHARACTERISTICS :

Part Number SPI0802S-	L ( $\mu$ H ) $\pm 20\%$	DCR ( $\Omega$ ) Max	IDC ( A ) Max
1R5	1.5	0.038	4.00
2R2	2.2	0.045	3.50
3R3	3.3	0.062	3.00
4R7	4.7	0.78	2.50
6R8	6.8	0.10	2.20
100	10	0.145	2.00
150	15	0.20	1.50
220	22	0.30	1.30
330	33	0.45	1.10
470	47	0.65	0.80
680	68	0.80	0.70
101	100	1.40	0.60
151	150	1.80	0.50
221	220	2.20	0.40
331	330	3.60	0.30
471	470	5.10	0.20

- Testing: (Equivalent acceptable)  
Inductance: HP4285A  
RDC: QuadTech 1880 Milliohm meter  
-Q- HP4342A - SRF-HP4191A
- IDC Max: Determined when superimposed DC current is decreased 10% against its initial value
- Operating Temperature:  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
- Storage Temperature:  $-40^{\circ}\text{C}$  to  $+105^{\circ}\text{C}$
- Solder methods: Vapor Phase, Infrared Reflow
- Resistance to soldering heat:  $260^{\circ}\text{C}$  for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
- Note: All specification subject to change without noticed.

## PHYSICAL CHARACTERISTICS

DIMENSION:(mm)



PAD LAYOUT

