

SHIELDED SURFACE-MOUNT POWER INDUCTORS

SPI0402S SERIES



FEATURES:

- Current up to 3A
- 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

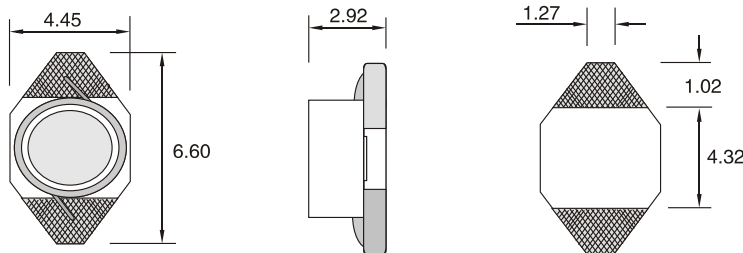
ELECTRICAL CHARACTERISTICS :

Part Number SPI0402S-	L (μ H) ± 20%	DCR (Ω) Max	IDC (A) Max
1R0	1.0	0.040	3.0
1R5	1.5	0.045	2.8
2R2	2.2	0.050	1.8
3R3	3.3	0.055	1.6
4R7	4.7	0.060	1.4
6R8	6.8	0.065	1.2
100	10	0.075	1.0
150	15	0.090	0.80
220	22	0.11	0.70
330	33	0.19	0.60
470	47	0.23	0.50
680	68	0.29	0.40
101	100	0.48	030
151	150	0.59	026
221	220	0.90	0.22
331	330	1.40	0.20
471	470	1.80	019
681	680	2.20	0.18
102	100	3.40	0.15
152	1500	4.20	0.12
222	2200	8.50	0.10
332	3300	11.0	0.08
472	4700	13.9	0.06
682	6800	25.0	0.04
103	10000	32.8	0.02

- 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°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 specification subject to change without noticed.

PHYSICAL CHARACTERISTICS

DIMENSION:(mm)



PAD LAYOUT

