

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH1510 SERIES



FEATURES:

- Shielded Structure
- Flat-top for pick and place
- Low Resistance Allow high Current
- Excellent Thermal Stability
- Low profile

APPLCATIONS:

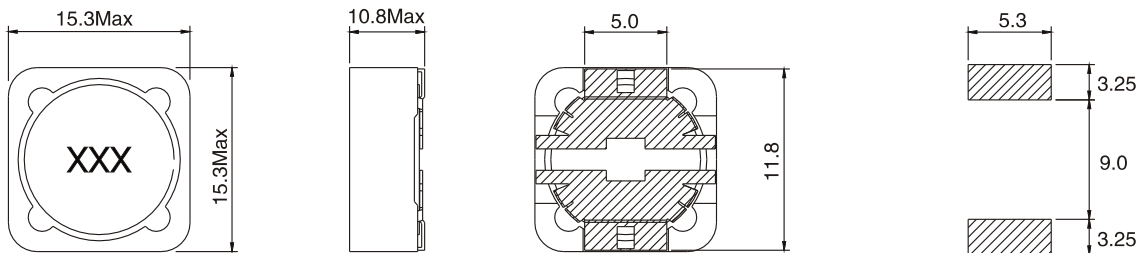
- Ideal for a variety of DC-DC converter Inductors Applications.
- DC/DC converter
- Power supplies for portable communication equipment
- LCD, TV, PDA, PDP
- Notebook computer

STANDARD SPECIFICATION:

Part Number	Marking	Inductance L(μH) @10KHz,0.1V	DCR(mΩ)	IDC(A)
SDRH1510-4R7N	4R7	4.7	10.4	8.5
SDRH1510-6R8N	6R8	6.8	15.5	7.8
SDRH1510-100M	100	10	18	7.5
SDRH1510-150M	150	15	23	7
SDRH1510-180M	180	18	29	6.8
SDRH1510-220M	220	22	31	6.2
SDRH1510-270M	270	27	33	6.0
SDRH1510-300M	300	30	35	5.8
SDRH1510-330M	330	33	37	5.5
SDRH1510-360M	360	36	38	5.3
SDRH1510-390M	390	39	40	5.0
SDRH1510-470M	470	47	45	4.6
SDRH1510-680M	680	68	48	4.2
SDRH1510-820M	820	82	56	3.5
SDRH1510-101M	101	100	82	3.0
SDRH1510-121M	121	120	110	2.6
SDRH1510-151M	151	150	131	2.5

K=10%,M=20%,N=30%

PHYSICAL CHARACTERISTICS:



Test Equipment and Conditions

- ◆ Inductance is measured with HP-4284A LCR meter or equivalent.
- ◆ $L \leq 8.2\mu H$, 100KHz, 0.25V
 $L > 8.2\mu H$, 1KHz, 0.25V
- ◆ Maximum allowable DC current is that which causes a 30% inductance reduction of the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)
- ◆ Operating temperature: -40°C ~ +105°C (Including self temp. rise).