

# MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

## SDRH1508 SERIES



### FEATURES:

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

### COMMON APPLICATIONS:

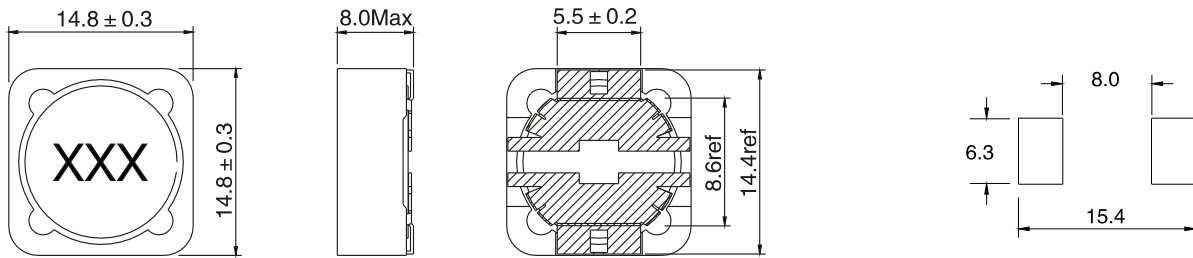
- Ideal for a variety of DC-DC converter
- DC/DC converter
- Power supplies for:
  - portable communication equipment
  - LCD, TV, PDA, PDP
  - Notebook computer

### ELECTRICAL CHARACTERISTICS:

Part Number	Marking	Inductance L0(μH) ±20% @0Adc	Saturation current DC Amps Isat(A)	DCR Max. (Ω)
SDRH1508-100M	100	10	6.6	0.038
SDRH1508-150M	150	15	6.0	0.04
SDRH1508-220M	220	22	5.5	0.048
SDRH1508-330M	330	33	4.6	0.05
SDRH1508-470M	470	47	4.0	0.1
SDRH1508-680M	680	68	3.8	0.15
SDRH1508-101M	101	100	2.5	0.135
SDRH1508-221M	221	220	2.0	0.22
SDRH1508-471M	471	470	1.5	0.5
SDRH1508-102M	102	1000	0.85	1.9
SDRH1508-222M	222	2200	0.62	2.42
SDRH1508-472M	472	4700	0.44	4.0
SDRH1508-682M	682	6800	0.35	5.5

### TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

#### Dimensions(mm)



#### Winding



#### Notes

- Test Frequency : 100KHz / 0.1V
- Inductance is measured with HP-4284A LCR meter or equivalent.
- All test data is referenced to 25°C ambient.
- Rated current is that which causes a 20% inductance reduction of the initial value, or coil temperature to rise by 40°C, whichever is smaller.
- Operating Temperature Range -40°C to +125°C