

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH1207 SERIES



FEATURES:

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

APPLICATIONS:

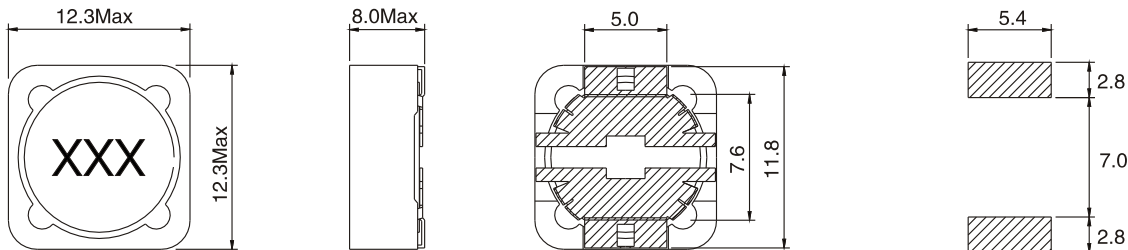
- Ideal for a variety of DC-DC converter Inductors Applications.
- DC/DC converter
- Power supplies for portable communication equipment
- LCD, TV, PDA, PDP
- Notebook computer

STANDARD SPECIFICATION:

Part Number	Marking	Inductance L(μH) @10kHz,0.1V	DCR(Ω)	IDC(A)
SDRH1207-1R2□	1R2	1.2	0.007	9.80
SDRH1207-2R4□	2R4	2.4	0.0115	8.00
SDRH1207-3R5□	3R5	3.5	0.0135	7.50
SDRH1207-4R7□	4R7	4.7	0.0158	6.80
SDRH1207-6R1□	6R1	6.1	0.0176	6.60
SDRH1207-7R6□	7R6	7.6	0.0200	5.90
SDRH1207-100□	100	10	0.0220	5.40
SDRH1207-120□	120	12	0.0243	4.90
SDRH1207-150□	150	15	0.0270	4.50
SDRH1207-180□	180	18	0.0392	3.90
SDRH1207-220□	220	22	0.0432	3.60
SDRH1207-270□	270	27	0.0459	3.40
SDRH1207-330□	330	33	0.0648	3.00
SDRH1207-390□	390	39	0.0729	2.75
SDRH1207-470□	470	47	0.100	2.50
SDRH1207-560□	560	56	0.110	2.35
SDRH1207-680□	680	68	0.140	2.10
SDRH1207-820□	820	82	0.160	1.95
SDRH1207-101□	101	100	0.220	1.70
SDRH1207-121□	121	120	0.250	1.60
SDRH1207-151□	151	150	0.280	1.42
SDRH1207-181□	181	180	0.350	1.30
SDRH1207-221□	221	220	0.390	1.16
SDRH1207-271□	271	270	0.560	1.06
SDRH1207-331□	331	330	0.640	0.95
SDRH1207-391□	391	390	0.700	0.88
SDRH1207-471□	471	470	0.980	0.79
SDRH1207-561□	561	560	1.070	0.73
SDRH1207-681□	681	680	1.460	0.67
SDRH1207-821□	821	820	1.640	0.60
SDRH1207-102□	102	1000	1.820	0.55

□ K=10%,M=20%

PHYSICAL CHARACTERISTICS:



Test Equipment and Conditions

- ◆ Inductance is measured with HP-4284A LCR meter or equivalent.
- ◆ Maximum allowable DC current is that which causes a 25% inductance reduction of the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)
- ◆ Operating temperature: -25°C~+85°C.