

# MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

## SDRH1204 SERIES



### FEATURES:

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

### APPLICATIONS:

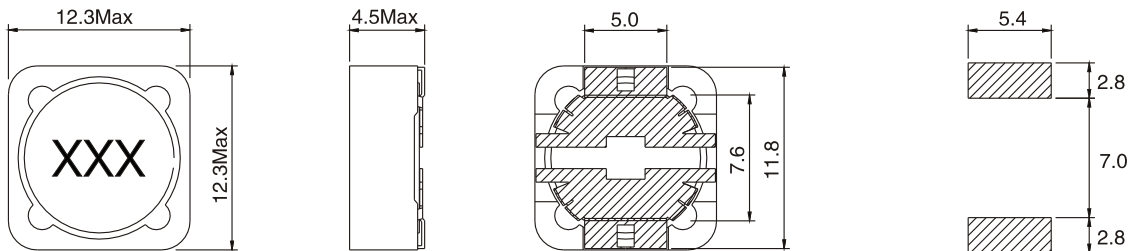
- Ideal for a variety of DC-DC converter Inductors Applications.
- DC/DC converter
- Power supplies for portable communication equipment
- LCD, TV, PDA, PDP
- Notebook computer

### STANDARD SPECIFICATION:

| Part Number   | Marking | Inductance L (μH)<br>@10KHz,0.1V | DCR(Ω) | IDC(A) |
|---------------|---------|----------------------------------|--------|--------|
| SDRH1204-100□ | 100     | 10                               | 0.028  | 4.50   |
| SDRH1204-120□ | 120     | 12                               | 0.038  | 4.00   |
| SDRH1204-150□ | 150     | 15                               | 0.050  | 3.20   |
| SDRH1204-180□ | 180     | 18                               | 0.057  | 3.10   |
| SDRH1204-220□ | 220     | 22                               | 0.066  | 2.90   |
| SDRH1204-270□ | 270     | 27                               | 0.080  | 2.80   |
| SDRH1204-330□ | 330     | 33                               | 0.097  | 2.70   |
| SDRH1204-390□ | 390     | 39                               | 0.132  | 2.10   |
| SDRH1204-470□ | 470     | 47                               | 0.150  | 1.90   |
| SDRH1204-560□ | 560     | 56                               | 0.190  | 1.80   |
| SDRH1204-680□ | 680     | 68                               | 0.220  | 1.50   |
| SDRH1204-820□ | 820     | 82                               | 0.260  | 1.30   |
| SDRH1204-101□ | 101     | 100                              | 0.308  | 1.20   |
| SDRH1204-121□ | 121     | 120                              | 0.380  | 1.10   |
| SDRH1204-151□ | 151     | 150                              | 0.530  | 0.95   |
| SDRH1204-181□ | 181     | 180                              | 0.620  | 0.85   |
| SDRH1204-221□ | 221     | 220                              | 0.700  | 0.80   |
| SDRH1204-271□ | 271     | 270                              | 0.870  | 0.60   |
| SDRH1204-331□ | 331     | 330                              | 0.990  | 0.50   |

□ 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.