

## LSMS-07076 SERIES Surface Mount Shielded High Current Inductor

### Features:

- Low Core Loss, High Efficiency Performance, High Magnetic Characteristics
- Closed Magnetic Field Construction For High Density Board Assembly
- Ribbon Wire Structure
- Custom Designs Available
- Lowest Height (2.4mm) In This Package Footprint
- Compliant With RoHS And Halogen Free

### Application

- Notebook Computers
- VGA Card
- Servers
- PDA
- DC/DC Converter In Power Regulation System

### Electrical

Precision Model Number	Inductance (μH) ±20% @0ADC	Inductance (μH) TYP ±20%	Temp Rise Current (ADC)	Inductance (μH) TYP	Saturation Current (ADC) (Note 3)	DCR ±10% (mΩ)
LSMS-07076-0R14	0.14±30%	0.12	20.0	0.11	26.0	1.65
LSMS-07076-0R32	0.32±30%	0.28	12.0	0.26	16.0	3.85
LSMS-07076-0R64	0.64	0.56	8.5	0.52	11.0	6.70
LSMS-07076-01R0	1.00	0.90	5.5	0.80	8.8	16.10

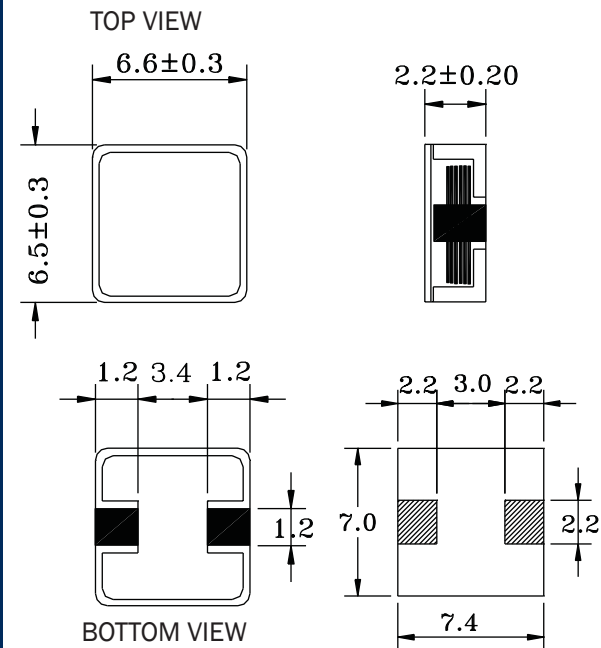
NOTE (1): Test frequency: 100 KHZ ,0.1Vrms.

NOTE (2): ΔT=40°C approximately under the temperature rise current.

NOTE (3): The saturation current indicates the value of DC current is approximately 20% lower than its initial value of inductance.

### Physical Dimension

(UNIT: mm)



### PACKAGING SPEC:

1. Reel Size & Units Per Reel :13", 1500pcs.
2. Tape Width:16mm.
3. Reel Width:22.4mm.
4. Component Pitch:12mm