



LSMS-07074 SERIES High Current Inductors

Features:

- Low Profile, High Power, Low Loss, Low DCR with Large Current Design
- Closed magnetic circuit construction for high density board assembly
- Compact size with high performance dust core and ribbon wire structure
- Compliant with RoHS and halogen free
- Custom designs available

Application

- Notebook Computers
- VGA Card
- Inductor for general purpose available
- DC/DC converter in power regulation system

Electrical

Precision Part Number	Inductance (μH) TYP @0ADC	Inductance (μH) ±20%	Temp. Rise Current (ADC)	Inductance (μH) TYP	Saturation Current (ADC) (Note 3)	DCR ±10% (mΩ)
LSMS-07074-0R12	0.13	0.12	22.0	0.11	32	0.91
LSMS-07074-0R22	0.24	0.22	20.0	0.19	30	1.6
LSMS-07074-0R25	0.30	0.25	19.0	0.22	25	1.6
LSMS-07074-0R44	0.48	0.44	14.0	0.41	18	3.7
LSMS-07074-0R75	0.95	0.75	9.5	0.70	13	6.2
LSMS-07074-01R0	1.15	1.0	8.5	0.9	11	8.6
LSMS-07074-01R5	1.65	1.5	5.5	1.2	9.0	13.5
LSMS-07074-01R6	2.0	1.6	5.5	1.4	9.0	13.5
LSMS-07074-01R8	2.2	1.8	5.5	1.6	9.0	17.2

NOTE (1) : Test frequency: 100 KHZ, 1vrms.

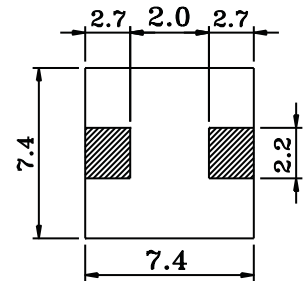
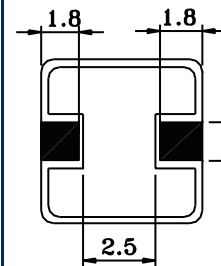
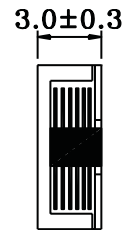
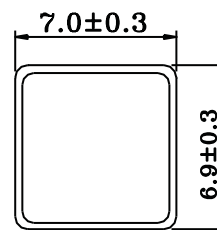
NOTE (1) : ΔT=45°C approximately under the temperature rise current.

NOTE (2) : The saturation current indicates the value of DC current is approximately 30% lower than its initial value of inductance.

Physical Dimensions

TOP VIEW

(UNIT: mm)



BOTTOM VIEW

PCB PATTERN

TOLERANCE : ±0.3

PACKAGING SPEC:

1. REEL SIZE & UNITS PER REEL :13",1000 PCS.
2. TAPE WIDTH:16mm.
3. REEL WIDTH:22.4mm.
4. COMPONENT PITCH:12mm