



LSMS-10100 Series Surface Mount Shielded High Current Inductor

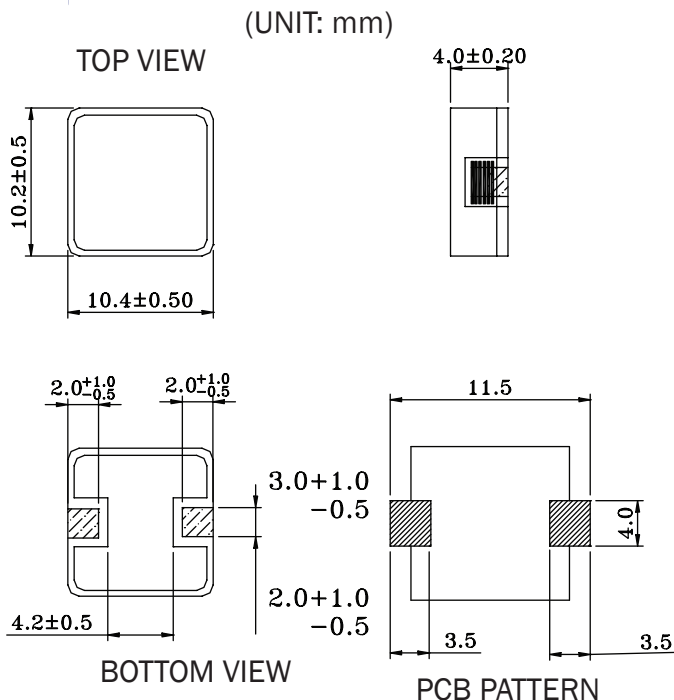
Features:

- Shielded Two Piece Core Construction with no Flaking
- Robust SMD Package Capable of Handling Aggressive Assembly Process
- Filters High Transient Current Spikes Without Saturating
- Highest Current Handling in the Lowest Profile
- Lowest DCR in Smallest Footprint
- 100% Tested to a 10% DCR Tolerance
- Compliant to RoHS and Halogen Free Directives
- Go to www.precision-inc.com for Additional Options or to Request a Custom Design

Applications

- DC-DC & POL Converters and Power Supplies
- All Computing and Battery Powered Devices
- Ideal for Current Sense Applications

Physical Dimension



PACKAGING SPEC:

1. Reel Size & Units Per Reel : 13", 800pcs.
2. Tape Width: 24mm.
3. Reel Width: 29.5mm.
4. Component Pitch: 16mm

Electrical

Precision Model Number	Inductance (μH) ±20% @0ADC (Note 1)	DCR ±10% (mΩ) @25°C	Temp Rise Current (ADC) (Note 2)	Saturation Current (ADC) (Note 3)
LSMS-10100-0R15	0.15 ± 30%	0.58	25	36
LSMS-10100-0R34	0.34	1.10	24	35
LSMS-10100-0R62	0.62	1.71	21	19
LSMS-10100-01R0	1	3.30	14	17
LSMS-10100-01R5	1.5	5.20	13.	12
LSMS-10100-02R0	2	7.30	10.5	11
LSMS-10100-02R8	2.8	10.60	9	10.5
LSMS-10100-04R3	4.3	14.10	7.5	9.5
LSMS-10100-05R6	5.6	21.10	6	8.3

ELECTRICAL NOTES:

Note (1): Measured @100KHz, 1.0 Vrms

Note (2): Temperature rise is approximately 40C at this current

Note (3): Initial inductance is reduced by approximately 30% at this current

Note (4): Operating Temperature range -40C to +150C