



## LSM-2020X Series Three Pad High Current Inductor

### Features:

- Three-pad Design Enhances Mounting Stability
- Ideal For High Vibration Environments But With A Smaller Product Footprint.
- Low Core Loss And High Efficiency Performance
- Closed Magnetic Field Construction For High Density Board Assembly
- Compliant With RoHS And Halogen Free

### Electrical

Precision Model Number	Inductance ±20% (µH)	DCR ±10% (mΩ)	Temp Rise Current (ADC)	Saturation Current (ADC) (Note 3)	Total Height MAX (mm)
LSM-20201-0R30	0.3	0.67	45	100	8.64
LSM-20202-0R30	0.3	0.9	45	100	9.4
LSM-20201-0R50	0.5	0.67	45	60	8.64
LSM-20202-0R50	0.5	0.9	45	81	9.4
LSM-20203-0R50	0.5	1.22	40	100	10.67
LSM-20201-0R60	0.6	0.67	45	49	8.64
LSM-20202-0R60	0.6	0.9	45	70	9.4
LSM-20203-0R60	0.6	1.22	40	90	10.67
LSM-20204-0R60	0.6	1.45	35	97	11.94
LSM-20201-0R68	0.68	0.67	45	45	8.64
LSM-20202-0R68	0.68	0.9	45	62	9.4
LSM-20203-0R68	0.68	1.22	40	78	10.67
LSM-20204-0R68	0.68	1.45	35	85	11.94
LSM-20205-0R68	0.68	1.7	30	98	12.95
LSM-20201-0R80	0.8	0.67	45	38	8.64
LSM-20202-0R80	0.8	0.9	45	53	9.4
LSM-20203-0R80	0.8	1.22	40	70	10.67
LSM-20204-0R80	0.8	1.45	35	75	11.94
LSM-20205-0R80	0.8	1.7	30	85	12.95
LSM-20206-0R80	0.8	1.95	27	98	13.97
LSM-20201-0R90	0.9	0.67	45	33	8.64
LSM-20202-0R90	0.9	0.9	45	48	9.4
LSM-20203-0R90	0.9	1.22	40	62	10.67
LSM-20204-0R90	0.9	1.45	35	69	11.94
LSM-20205-0R90	0.9	1.7	30	73	12.95
LSM-20206-0R90	0.9	1.95	27	87	13.97
LSM-20201-01R0	1	0.67	45	29	8.64
LSM-20202-01R0	1	0.9	45	42	9.4
LSM-20203-01R0	1	1.22	40	56	10.67
LSM-20204-01R0	1	1.45	35	64	11.94
LSM-20205-01R0	1	1.7	30	68	12.95
LSM-20206-01R0	1	1.95	27	70	13.97
LSM-20201-01R2	1.2	0.67	45	27	8.64

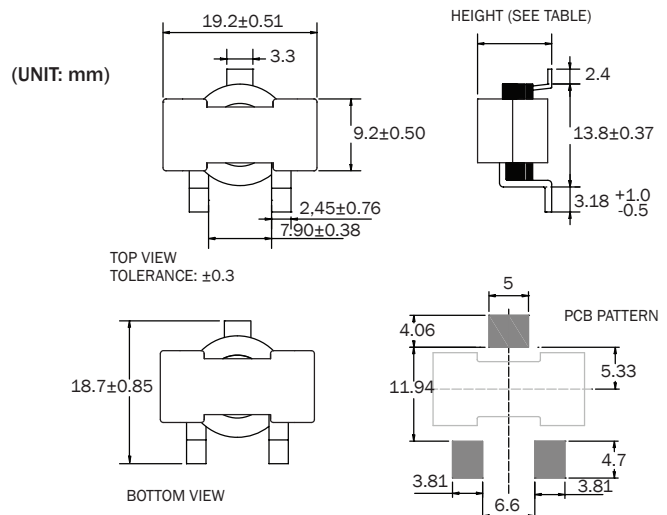
### Electrical Continued...

LSM-20202-01R2	1.2	0.9	45	37	9.4
LSM-20203-01R2	1.2	1.22	40	49	10.67
LSM-20204-01R2	1.2	1.45	35	54	11.94
LSM-20205-01R2	1.2	1.7	30	58	12.95
LSM-20206-01R2	1.2	1.95	27	63	13.97
LSM-20201-02R0	2	0.67	45	15	8.64
LSM-20202-02R0	2	0.9	45	27	9.4
LSM-20203-02R0	2	1.22	40	37	10.67
LSM-20204-02R0	2	1.45	35	35	11.94
LSM-20205-02R0	2	1.7	30	40	12.95
LSM-20206-02R0	2	1.95	27	45	13.97
LSM-20205-03R6	3.6	1.7	30	25	12.95
LSM-20205-04R0	4	1.7	30	20	12.95
LSM-20206-04R0	4	1.95	27	25	13.97
LSM-20205-04R7	4.7	1.7	30	18	12.95

**NOTE (1):** Test frequency: 500 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 30% lower than its initial value of inductance.

### Physical Dimension





# Inductance vs. Current

