



LSM-22221 Series Bow Tie Three Pad High Current Inductor

Features:

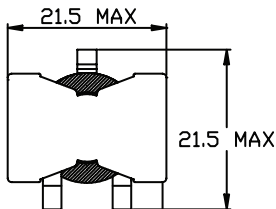
- Low Core Loss And High Efficiency Performance
- Closed Magnetic Field Construction For High Density Board Assembly
- Compliant With RoHS And Halogen Free

Application

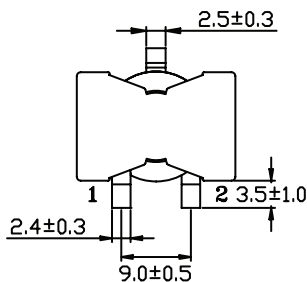
- DC/DC Converter In Power Regulation System

Physical Dimension

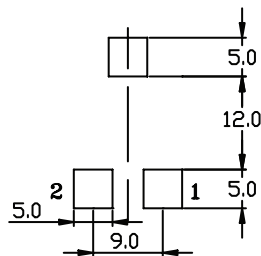
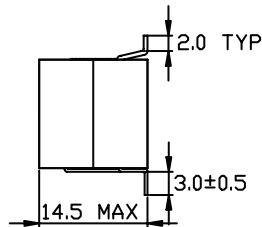
(UNIT: mm)



TOP VIEW
TOLERANCE: ± 0.3



BOTTOM VIEW



PCB PATTERN

Electrical

Precision Model Number	Inductance $\pm 15\%$ (μH)	DCR $\pm 10\%$ ($\text{m}\Omega$)	Temp Rise Current (ADC)	Saturation Current (ADC) (Note 3)
LSM-22221-0R70	0.7	0.83	55	75
LSM-22221-01R4	1.4	1.08	48	60
LSM-22221-02R2	2.2	1.50	39	50
LSM-22221-03R1	3.1	2.09	36	43
LSM-22221-04R2	4.2	3.04	25	38
LSM-22221-05R5	5.5	4.00	23	33
LSM-22221-07R0	7	5.61	21	30
LSM-22221-08R6	8.6	7.19	17	25
LSM-22221-0100	10	7.96	16	23
LSM-22221-0150	15	8.7	15	21
LSM-22221-0220	22	10.65	13	15
LSM-22221-0330	33	11.4	13	11
LSM-22221-0470	47	12.2	12	8.5

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

NOTE (2): $\Delta T = 50^\circ\text{C}$ 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.

NOTE (4): Operating temperature range: $-40^\circ\text{C} \sim +150^\circ\text{C}$.