PRECISION INCORPORATED
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LSM-2828X Series

Bow Tie Three Pad High Current Inductor

Features:

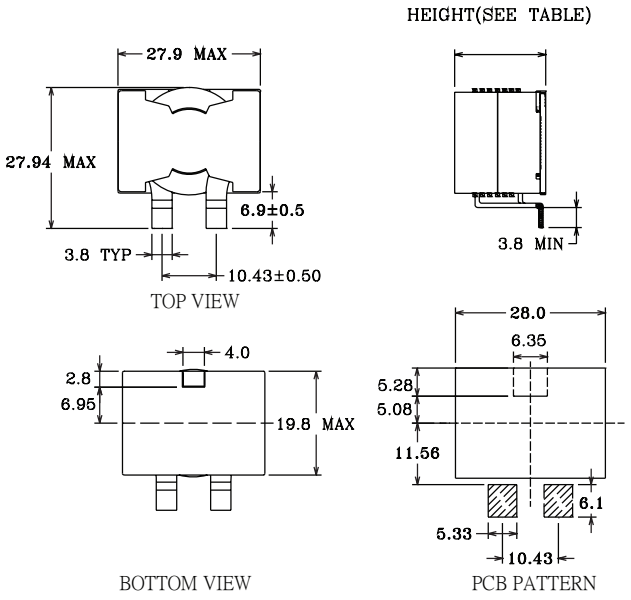
- Bow tie shape enables higher current handling
- Low DC resistance (DCR)
- Enhances mounting stability
- Ideal for high-vibration environments
- Low Core Loss And High Efficiency Performance
- Closed Magnetic Field Construction For High Density Board Assembly
- Compliant With RoHS And Halogen Free

Application

- DC/DC Converter In Power Regulation System

Physical Dimension

(UNIT: mm)



TOLERANCE: ±0.3

Electrical

Precision Model Number	Inductance ±10% (uH)	DCR ±10% (mΩ)	Temp Rise Current (ADC)	Saturation Current (ADC) (Note 3)	Total Height MAX (mm)
LSM-28284-02R2	2.2	1.5	30	84.8	15.36
LSM-28283-02R2	2.2	1.83	30	>100	15.36
LSM-28284-03R3	3.3	1.5	30	57	15.36
LSM-28283-03R3	3.3	1.83	30	68.4	15.36
LSM-28285-03R3	3.3	2.45	28	93.6	17.78
LSM-28284-04R7	4.7	1.5	30	39	15.36
LSM-28283-04R7	4.7	1.83	30	50.1	15.36
LSM-28285-04R7	4.7	2.45	28	62.4	17.78
LSM-28284-06R8	6.8	1.5	30	27.8	15.36
LSM-28283-06R8	6.8	1.83	30	36.2	15.36
LSM-28285-06R8	6.8	2.45	28	45.9	17.78
LSM-28284-0100	10	1.5	30	17.6	15.36
LSM-28283-0100	10	1.83	30	23.4	15.36
LSM-28285-0100	10	2.45	28	32.1	17.78
LSM-28284-0150	15	1.5	30	11	15.36
LSM-28283-0150	15	1.83	30	15.2	15.36
LSM-28285-0150	15	2.45	28	21.5	17.78
LSM-28284-0220	22	1.5	30	6.8	15.36
LSM-28283-0220	22	1.83	30	9.6	15.36
LSM-28285-0220	22	2.45	28	14.5	17.78
LSM-28284-0330	33	1.5	30	3.3	15.36
LSM-28283-0330	33	1.83	30	5.9	15.36
LSM-28285-0330	33	2.45	28	9.3	17.78

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.

Inductance vs. Current