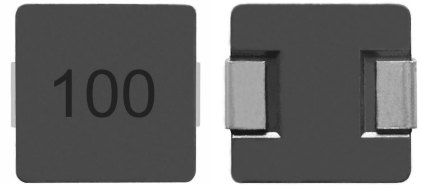


SMD Molded Power Inductor

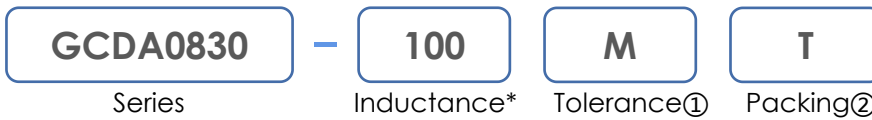
GCDA0830 Series



FEATURES

- Integrated Shielding Construction
- Alloy Material with Excellent withstanding Current Characteristics
- Featured with High Inductance and Low DCR Characteristics
- Variable Inductance Value (1.0uH ~ 4.7uH) with Wide Frequency Range
- Operating Range: -45°C~+125°C(Including Self- Temperature Rise)
- RoHS Compliant

PART NUMBER CONSTRUCTION

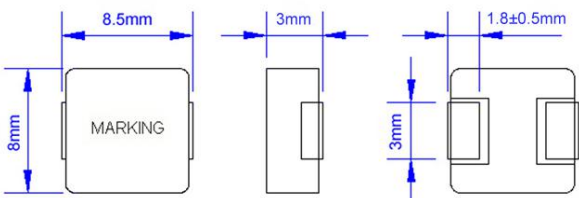


① Tolerance: M = 20% N = 30%
 ② Packing: B = Bulk T = Tape and Reel
 *Refer to Electrical Specification table

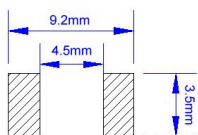
ELECTRICAL SPECIFICATIONS

Part Number	Inductance(μH) ±20%	DCR(mΩ)		I _{rms} (A)	I _{sat} (A)
		Typical	Max		
GCDA0830-1R0M	1.0	5.2	8.0	12	18
GCDA0830-1R5M	1.5	6.0	8.0	10	16
GCDA0830-2R2M	2.2	10	15	8	13
GCDA0830-3R3M	3.3	17	55	7	11
GCDA0830-4R7M	4.7	24	32	6	10

PRODUCT DIMENSIONS

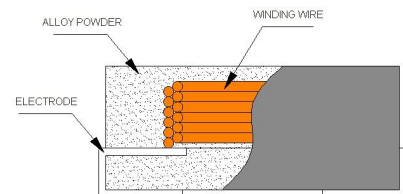


RECOMMENDED LANDING PATTERN



MATERIALS & STRUCTURE

- Core:** Alloy Powder
- Wire:** Copper
- Terminal:** Nickel Plating
- Ink:** Black



PACKING
1000PCS/REEL