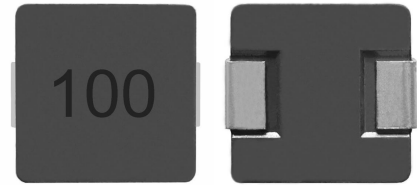


SMD Molded Power Inductor

GCDA0850 Series

FEATURES

- Integrated Shielding Construction
- Alloy Material with Excellent withstanding Current Characteristics
- Featured with High Inductance and Low DCR Characteristics
- Variable Inductance Value (0.22uH ~ 47uH) with Wide Frequency Range
- Operating Range: -45°C~+125°C(Including Self- Temperature Rise)
- RoHS Compliant



PART NUMBER CONSTRUCTION

GCDA0850

Series

100

Inductance*

M

Tolerance①

T

Packing②

① Tolerance: M = 20% N = 30%

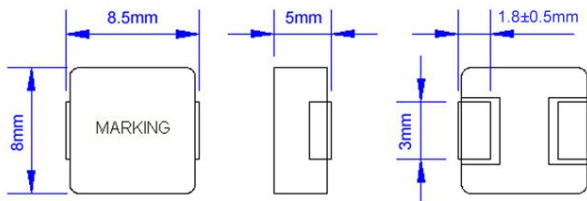
② Packing: B = Bulk T = Tape and Reel

*Refer to Electrical Specification table

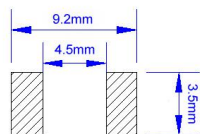
ELECTRICAL SPECIFICATIONS

Part Number	Inductance(μH) ±20%	DCR(mΩ)		I _{rms} (A)	I _{sat} (A)
		Typical	Max		
GCDA0850-R22M	0.22	0.7	1.0	33	60
GCDA0850-R47M	0.47	2.8	4.5	20	35
GCDA0850-R56M	0.56	3.0	4.5	20	30
GCDA0850-R68M	0.68	3.6	6.0	16	25
GCDA0850-1R0M	1.0	5.2	8.0	14	20
GCDA0850-1R5M	1.5	6.0	8.0	12	18
GCDA0850-2R2M	2.2	8.2	12	8	16
GCDA0850-3R3M	3.3	11	15	9	13
GCDA0850-4R7M	4.7	15	20	8	12
GCDA0850-5R6M	5.6	20	28	7	11
GCDA0850-6R8M	6.8	24	32	6	10
GCDA0850-100M	10	35	45	5.5	8.5
GCDA0850-150M	15	47	55	5	7
GCDA0850-220M	22	78	88	4	5.5
GCDA0850-330M	33	125	140	3	5
GCDA0850-470M	47	186	200	2.5	4

PRODUCT DIMENSIONS



RECOMMENDED LANDING PATTERN



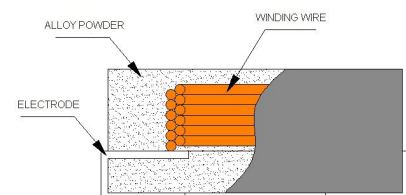
MATERIALS & STRUCTURE

Core: Alloy Powder

Wire: Copper

Terminal: Nickel Plating

Ink: Black



PACKING

1000PCS/REEL