

## SMD Molded Power Inductor

## GCDA0530 Series



## FEATURES

- Integrated Shielding Construction
- Alloy Material with Excellent withstanding Current Characteristics
- Featured with High Inductance and Low DCR Characteristics
- Variable Inductance Value (0.47uH ~ 22uH) with Wide Frequency Range
- Operating Range: -45°C~+125°C(Including Self- Temperature Rise)
- RoHS Compliant

## PART NUMBER CONSTRUCTION

GCDA0530

Series

2R2

Inductance\*

M

Tolerance①

T

Packing②

① Tolerance: M = 20% N = 30%

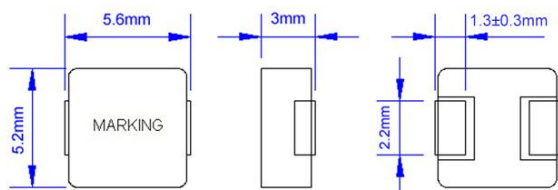
② Packing: B = Bulk T = Tape and Reel

\*Refer to Electrical Specification table

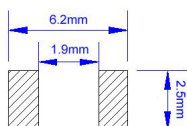
## ELECTRICAL SPECIFICATIONS

Part Number	Inductance(μH) ±20%	DCR(mΩ)		Irms (A)	Isat (A)
		Typical	Max		
GCDA0530-R47M	0.47	6.5	9.5	8.0	16.0
GCDA0530-R68M	0.68	9.2	12	7.0	14.0
GCDA0530-1R0M	1.0	12.5	15	6.0	12.0
GCDA0530-1R5M	1.5	15.5	20	5.0	10.0
GCDA0530-2R2M	2.2	25.5	32	4.5	9.0
GCDA0530-3R3M	3.3	32	38	4.0	8.0
GCDA0530-4R7M	4.7	49	58	3.5	7.0
GCDA0530-6R8M	6.8	70	80	3.0	5.0
GCDA0530-8R2M	8.2	85	110	2.5	4.0
GCDA0530-100M	10	115	145	2.0	3.5
GCDA0530-150M	15	192	215	1.8	3.0
GCDA0530-220M	22	230	275	1.5	2.5

## PRODUCT DIMENSIONS



## RECOMMENDED LANDING PATTERN



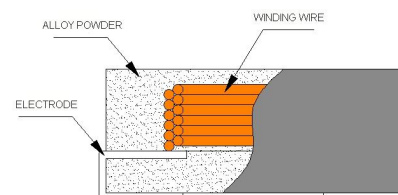
## MATERIALS &amp; STRUCTURE

Core: Alloy Powder

Wire: Copper

Terminal: Nickel Plating

Ink: Black



## PACKING

2000PCS/REEL