

## SMD Molded Power Inductor

## GCDA0520 Series



## FEATURES

- Integrated Shielding Construction
- Alloy Material with Excellent withstanding Current Characteristics
- Featured with High Inductance and Low DCR Characteristics
- Variable Inductance Value (0.33uH ~ 10uH) with Wide Frequency Range
- Operating Range: -45°C~+125°C(Including Self- Temperature Rise)
- RoHS Compliant

## PART NUMBER CONSTRUCTION

GCDA0520

Series

2R2

Inductance\*

M

Tolerance①

T

Packing②

① Tolerance: M = 20%    N = 30%

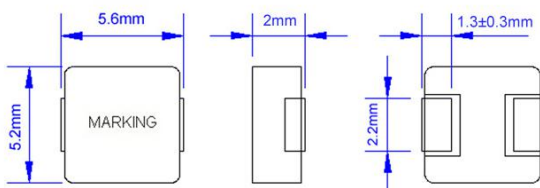
② Packing: B = Bulk    T = Tape and Reel

\*Refer to Electrical Specification table

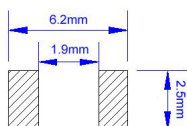
## ELECTRICAL SPECIFICATIONS

Part Number	Inductance(μH) ±20%	DCR(mΩ)		Irms (A)	Isat (A)
		Typical	Max		
GCDA0520-R33M	0.33	7.5	10	8.0	16
GCDA0520-R47M	0.47	10	13	7.0	15
GCDA0520-R68M	0.68	12.5	16	6.0	11
GCDA0520-1R0M	1.0	17	22	5.0	10
GCDA0520-1R5M	1.5	27	33	4.5	8.0
GCDA0520-2R2M	2.2	35	43	4.0	7.0
GCDA0520-3R3M	3.3	62	70	3.5	5.5
GCDA0520-4R7M	4.7	82	90	3.0	5.0
GCDA0520-6R8M	6.8	128	140	2.2	4.0
GCDA0520-100M	10	185	205	1.8	3.0

## PRODUCT DIMENSIONS



## RECOMMENDED LANDING PATTERN



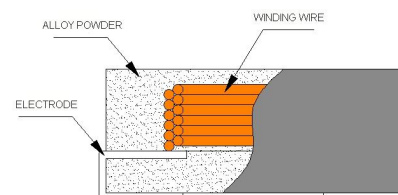
## MATERIALS &amp; STRUCTURE

Core: Alloy Powder

Wire: Copper

Terminal: Nickel Plating

Ink: Black



## PACKING

3000PCS/REEL