

SMD Molded Power Inductor

GCDA0620 Series



FEATURES

- Integrated Shielding Construction
- Alloy Material with Excellent withstanding Current Characteristics
- Featured with High Inductance and Low DCR Characteristics
- Variable Inductance Value (0.10uH ~ 10uH) with Wide Frequency Range
- Operating Range: -45°C~+125°C(Including Self- Temperature Rise)
- RoHS Compliant

PART NUMBER CONSTRUCTION

GCDA0620

Series

2R2

Inductance*

M

Tolerance①

T

Packing②

① Tolerance: M = 20% N = 30%

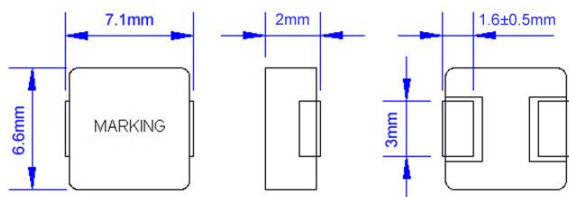
② Packing: B = Bulk T = Tape and Reel

*Refer to Electrical Specification table

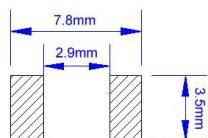
ELECTRICAL SPECIFICATIONS

| Part Number | Inductance(μH) ±20% | DCR(mΩ) | | Irms (A) | Isat (A) |
|---------------|------------------------|---------|-----|----------|----------|
| | | Typical | Max | | |
| GCDA0620-R10M | 0.10 | 2.2 | 3.5 | 20 | 35 |
| GCDA0620-R22M | 0.22 | 2.8 | 4.5 | 15 | 28 |
| GCDA0620-R33M | 0.33 | 4.5 | 7.0 | 12 | 25 |
| GCDA0620-R47M | 0.47 | 7.0 | 9.0 | 10 | 22 |
| GCDA0620-R68M | 0.68 | 9.0 | 12 | 9.0 | 18 |
| GCDA0620-1R0M | 1.0 | 16.5 | 21 | 7.0 | 14 |
| GCDA0620-1R5M | 1.5 | 24 | 32 | 6.0 | 12 |
| GCDA0620-2R2M | 2.2 | 31 | 40 | 5.0 | 9.0 |
| GCDA0620-3R3M | 3.3 | 45 | 55 | 4.0 | 7.0 |
| GCDA0620-4R7M | 4.7 | 77 | 90 | 3.5 | 6.0 |
| GCDA0620-6R8M | 6.8 | 114 | 140 | 2.5 | 5.0 |
| GCDA0620-100M | 10 | 155 | 170 | 2.0 | 4.0 |

PRODUCT DIMENSIONS



RECOMMENDED LANDING PATTERN



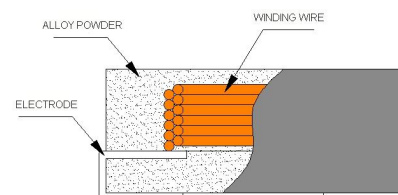
MATERIALS & STRUCTURE

Core: Alloy Powder

Wire: Copper

Terminal: Nickel Plating

Ink: Black



PACKING

2000PCS/REEL