

SMD Molded Power Inductor

GCDA0630 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 ~ 33uH) with Wide Frequency Range
- Operating Range: -45°C~+125°C(Including Self- Temperature Rise)
- RoHS Compliant

PART NUMBER CONSTRUCTION

GCDA0630

Series

2R2

Inductance*

M

Tolerance①

T

Packing②

① Tolerance: M = 20% N = 30%

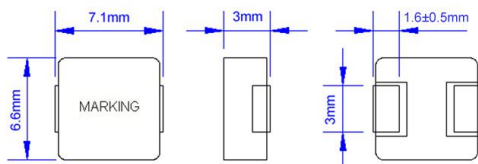
② Packing: B = Bulk T = Tape and Reel

*Refer to Electrical Specification table

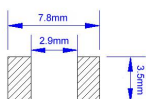
ELECTRICAL SPECIFICATIONS

Part Number	Inductance(μH) ±20%	DCR(mΩ)		Irms (A)	Isat (A)
		Typical	Max		
GCDA0630-R10M	0.10	1.65	2.5	25	50
GCDA0630-R15M	0.15	1.9	2.5	22	45
GCDA0630-R22M	0.22	2.6	4	18	35
GCDA0630-R33M	0.33	3.4	5	16	28
GCDA0630-R47M	0.47	3.6	5.5	15	24
GCDA0630-R68M	0.68	4.8	7.0	12	20
GCDA0630-1R0M	1.0	8.5	10	10	18
GCDA0630-1R5M	1.5	10	12	8.0	14
GCDA0630-2R2M	2.2	14.5	18	7.0	12
GCDA0630-3R3M	3.3	24	30	6.0	10
GCDA0630-4R7M	4.7	36	45	5.0	9.0
GCDA0630-5R6M	5.6	42	50	4.5	8.0
GCDA0630-6R8M	6.8	56	65	4	7.0
GCDA0630-8R2M	8.2	63	70	3.5	6.0
GCDA0630-100M	10	80	90	3.0	5.5
GCDA0630-150M	15	108	120	2.5	4.5
GCDA0630-220M	22	142	160	2.0	3.5
GCDA0630-330M	33	210	240	1.5	2.8

PRODUCT DIMENSIONS



RECOMMENDED LANDING PATTERN



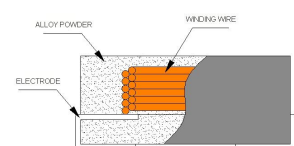
MATERIALS & STRUCTURE

Core: Alloy Powder

Wire: Copper

Terminal: Nickel Plating

Ink: Black



PACKING

1000PCS/REEL