

SMD Molded Power Inductor

GCDA0650 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 ~ 68uH) with Wide Frequency Range
- Operating Range: -45°C~+125°C(Including Self- Temperature Rise)
- RoHS Compliant



PART NUMBER CONSTRUCTION

GCDA0650

2R2

M

T

Series

Inductance*

Tolerance①

Packing②

① Tolerance: M = 20% N = 30%

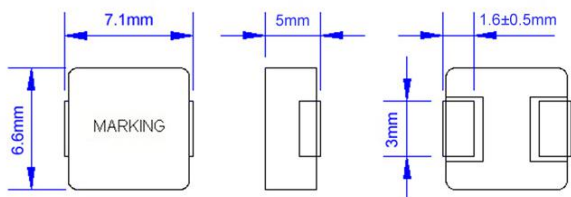
② Packing: B = Bulk T = Tape and Reel

*Refer to Electrical Specification table

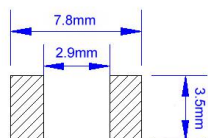
ELECTRICAL SPECIFICATIONS

Part Number	Inductance(μH) ±20%	DCR(mΩ)		I _{rms} (A)	I _{sat} (A)
		Typical	Max		
GCDA0650-R22M	0.22	1.88	2.5	24	40
GCDA0650-R47M	0.47	2.8	4.5	16	25
GCDA0650-R68M	0.68	4.2	6.0	14	22
GCDA0650-1R0M	1.0	5.5	7.2	12	16
GCDA0650-1R5M	1.5	7.2	10	10	15
GCDA0650-2R2M	2.2	9.5	14	8.0	12
GCDA0650-3R3M	3.3	13.8	18	6.0	10
GCDA0650-4R7M	4.7	18	23	5.0	9.0
GCDA0650-6R8M	6.8	27	33	4.5	8.0
GCDA0650-8R2M	8.2	40	50	4.0	7.5
GCDA0650-100M	10	45	55	4.0	7.0
GCDA0650-150M	15	63	75	3.5	6.0
GCDA0650-220M	22	107	125	2.5	4.0
GCDA0650-330M	33	155	195	2.0	3.5
GCDA0650-470M	47	232	250	1.8	3.0
GCDA0650-680M	68	320	370	1.5	2.5

PRODUCT DIMENSIONS



RECOMMENDED LANDING PATTERN



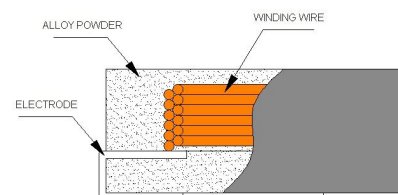
MATERIALS & STRUCTURE

Core: Alloy Powder

Wire: Copper

Terminal: Nickel Plating

Ink: Black



PACKING

1000PCS/REEL