

SMD Molded Power Inductor

GCDA1040 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 ~ 100uH) with Wide Frequency Range
- Operating Range: -45°C~+125°C(Including Self- Temperature Rise)
- RoHS Compliant

PART NUMBER CONSTRUCTION

GCDA1040

Series

4R7

Inductance*

M

Tolerance①

T

Packing②

① Tolerance: M = 20% N = 30%

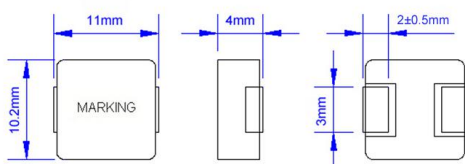
② Packing: B = Bulk T = Tape and Reel

*Refer to Electrical Specification table

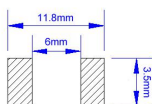
ELECTRICAL SPECIFICATIONS

Part Number	Inductance(μH) ±20%	DCR(mΩ)		Irms (A)	Isat (A)
		Typical	Max		
GCDA1040-R22M	0.22	0.55	0.8	28	50
GCDA1040-R33M	0.33	1	1.5	22	45
GCDA1040-R47M	0.47	1.2	1.8	20	35
GCDA1040-R68M	0.68	1.9	2.8	18	32
GCDA1040-1R0M	1.0	2.4	3.5	16	28
GCDA1040-1R5M	1.5	4.8	6	15	23
GCDA1040-2R2M	2.2	6.5	10	14	20
GCDA1040-3R3M	3.3	10	13	12	17
GCDA1040-4R7M	4.7	14	20	10	15
GCDA1040-6R8M	6.8	20	25	9	12
GCDA1040-8R2M	8.2	26	33	7	10
GCDA1040-100M	10	31	38	6	9
GCDA1040-150M	15	50	75	5	8
GCDA1040-220M	22	60	70	4	7
GCDA1040-330M	33	93	105	3.5	6
GCDA1040-470M	47	138	155	3	5
GCDA1040-680M	68	210	240	2.5	4
GCDA1040-101M	100	305	350	1.8	3

PRODUCT DIMENSIONS



RECOMMENDED LANDING PATTERN



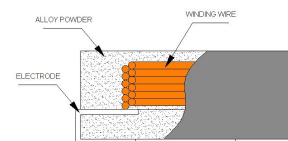
MATERIALS & STRUCTURE

Core: Alloy Powder

Wire: Copper

Terminal: Nickel Plating

Ink: Black



PACKING

1000PCS/REEL