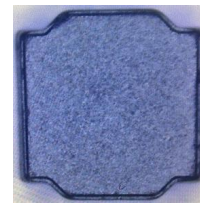


SMD Wire Wound Power Inductor

GCNR5040 Series

FEATURES

- Metallization on Ferrite Core Result in Excellent Thermal Shock
- Magnetic Resin Shielded Construction Reduce Buzz Noise to Ultra Low Levels
- Closed Magnetic Circuit Design Reduces Leakage Flux and Excellent for EMI
- Operating Temperature Range: -40°C~+125°C(Including Self- Temperature Rise)
- RoHS Compliant



PART NUMBER CONSTRUCTION

GCNR5040

-

4R7

M

T

Series

Inductance*

Tolerance①

Packing②

① Tolerance: M = 20% N = 30%

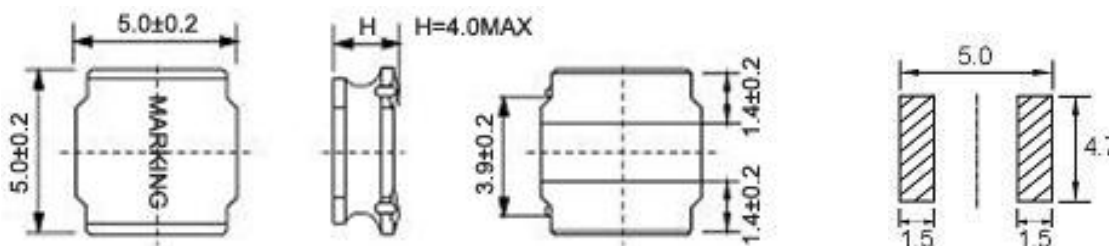
② Packing: B = Bulk T = Tape and Reel

*Refer to Electrical Specification table

ELECTRICAL SPECIFICATIONS

Part Number	Inductance (μH)	DCR(mΩ) ±30%	I _{rms} (A)	I _{sat} (A)	Test Frequency (KHz/V)
GCNR5040-1R0N	1.0	12	4.90	7.35	100KHz/1V
GCNR5040-1R5N	1.5	15	4.30	6.30	100KHz/1V
GCNR5040-2R2M	2.2	19	3.80	4.90	100KHz/1V
GCNR5040-3R3M	3.3	24	3.40	3.95	100KHz/1V
GCNR5040-4R7M	4.7	30	3.00	3.50	100KHz/1V
GCNR5040-6R8M	6.8	43	2.50	2.75	100KHz/1V
GCNR5040-100M	10	64	2.10	2.35	100KHz/1V
GCNR5040-150M	15	86	1.95	2.00	100KHz/1V
GCNR5040-220M	22	129	1.50	1.60	100KHz/1V
GCNR5040-330M	33	188	1.20	1.30	100KHz/1V
GCNR5040-470M	47	272	1.00	1.10	100KHz/1V
GCNR5040-680M	68	400	0.80	0.90	100KHz/1V
GCNR5040-101M	100	560	0.70	0.75	100KHz/1V

PRODUCT DIMENSIONS(Unit:mm)



RECOMMENDED LANDING PATTERN