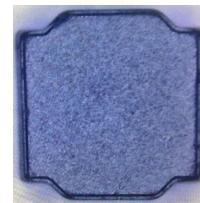


SMD Wire Wound Power Inductor

GCNR6045 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

GCNR6045

-

4R7

M

T

Series

Inductance*

Tolerance①

Packing②

① Tolerance: M = 20% N = 30%

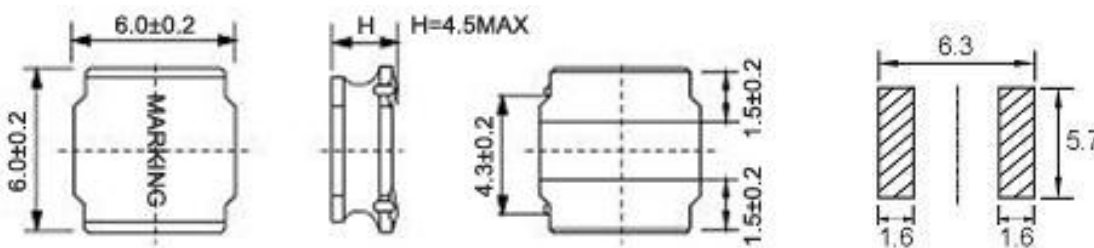
② Packing: B = Bulk T = Tape and Reel

*Refer to Electrical Specification table

ELECTRICAL SPECIFICATIONS

Part Number	Inductance (μH)	DCR(mΩ) ±30%	I _{rms} (A)	I _{sat} (A)	Test Frequency (KHz/V)
GCNR6045-1R0N	1.0	12	5.14	9.85	100KHz/1V
GCNR6045-1R5N	1.5	15	4.95	8.80	100KHz/1V
GCNR6045-2R2M	2.2	21	4.50	6.00	100KHz/1V
GCNR6045-3R3M	3.3	23	3.70	5.20	100KHz/1V
GCNR6045-4R7M	4.7	25	3.30	4.00	100KHz/1V
GCNR6045-6R8M	6.8	40	3.00	3.80	100KHz/1V
GCNR6045-100M	10	47	2.50	3.00	100KHz/1V
GCNR6045-150M	15	77	2.00	2.30	100KHz/1V
GCNR6045-220M	22	115	1.80	1.90	100KHz/1V
GCNR6045-330M	33	145	1.45	1.50	100KHz/1V
GCNR6045-470M	47	220	1.25	1.30	100KHz/1V
GCNR6045-680M	68	330	0.90	1.00	100KHz/1V
GCNR6045-101M	100	500	0.70	0.80	100KHz/1V

PRODUCT DIMENSIONS(Unit:mm)



RECOMMENDED LANDING PATTERN