

SMD Wire Wound Power Inductor

GCNR3015 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

GCNR3015

Series

4R7

Inductance*

M

Tolerance①

T

Packing②

① Tolerance: M = 20% N = 30%

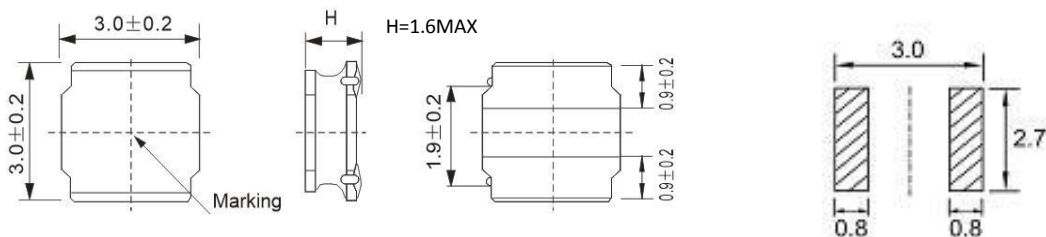
② Packing: B = Bulk T = Tape and Reel

*Refer to Electrical Specification table

ELECTRICAL SPECIFICATIONS

Part Number	Inductance (μH)	DCR(mΩ) ±30%	I _{rms} (A)	I _{sat} (A)	Test Frequency (KHz/V)
GCNR3015-1R0N	1.0	37	1.90	2.10	100KHz/1V
GCNR3015-1R5N	1.5	50	1.70	1.80	100KHz/1V
GCNR3015-2R2M	2.2	60	1.45	1.60	100KHz/1V
GCNR3015-3R3M	3.3	80	1.20	1.32	100KHz/1V
GCNR3015-4R7M	4.7	125	1.08	1.10	100KHz/1V
GCNR3015-6R8M	6.8	200	0.85	0.87	100KHz/1V
GCNR3015-100M	10	250	0.70	0.72	100KHz/1V
GCNR3015-150M	15	350	0.64	0.65	100KHz/1V
GCNR3015-220M	22	460	0.57	0.52	100KHz/1V
GCNR3015-330M	33	780	0.35	0.38	100KHz/1V
GCNR3015-470M	47	1200	0.30	0.35	100KHz/1V

PRODUCT DIMENSIONS(Unit:mm)



RECOMMENDED LANDING PATTERN