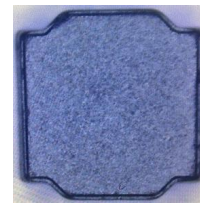


SMD Wire Wound Power Inductor

GCNR6028 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

GCNR6028

Series

4R7

Inductance*

M

Tolerance①

T

Packing②

① Tolerance: M = 20% N = 30%

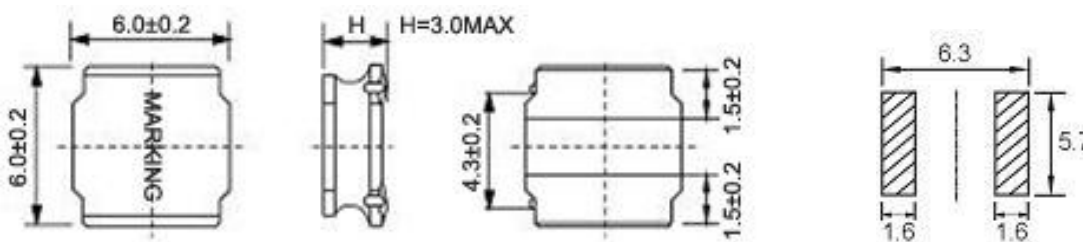
② Packing: B = Bulk T = Tape and Reel

*Refer to Electrical Specification table

ELECTRICAL SPECIFICATIONS

Part Number	Inductance (μH)	DCR(mΩ) ±30%	I _{rms} (A)	I _{sat} (A)	Test Frequency (KHz/V)
GCNR6028-1R0N	1.0	12	5.20	5.70	100KHz/1V
GCNR6028-1R5N	1.5	16	4.50	5.00	100KHz/1V
GCNR6028-2R2M	2.2	20	3.80	4.50	100KHz/1V
GCNR6028-3R3M	3.3	25	3.20	3.63	100KHz/1V
GCNR6028-4R7M	4.7	33	2.70	3.00	100KHz/1V
GCNR6028-6R8M	6.8	56	2.20	2.60	100KHz/1V
GCNR6028-100M	10	78	1.80	2.05	100KHz/1V
GCNR6028-150M	15	125	1.70	1.75	100KHz/1V
GCNR6028-180M	18	130	1.50	1.75	100KHz/1V
GCNR6028-220M	22	140	1.40	1.55	100KHz/1V
GCNR6028-270M	27	180	1.20	1.30	100KHz/1V
GCNR6028-330M	33	220	1.10	1.23	100KHz/1V
GCNR6028-470M	47	315	1.00	1.10	100KHz/1V
GCNR6028-680M	68	450	0.80	0.88	100KHz/1V
GCNR6028-820M	82	550	0.70	0.76	100KHz/1V
GCNR6028-101M	100	670	0.60	0.65	100KHz/1V

PRODUCT DIMENSIONS(Unit:mm)



RECOMMENDED LANDING PATTERN