

## THROUGH-HOLE HIGH CURRENT RADIAL ROD CHOKES

# RC- SERIES

0205,0310,0415,0520,0630

### FEATURES:

- Low cost design general Purpose inductor
- High Saturation current
- Easy construction that uses Ferrite rod cores

### OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)  
Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

### COMMON APPLICATIONS:

- Switching Regulators
- Automotive Systems
- Power Amplifiers
- Power Supplies
- EMI/RFI suppression
- DC line Filters

## ELECTRICAL CHARACTERISTICS:

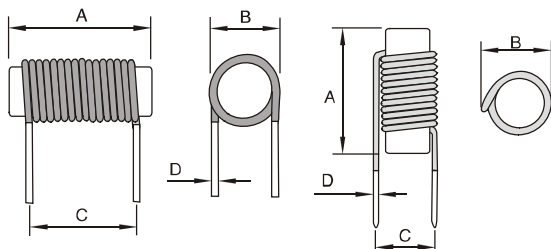
Part Number	L μH	DCR Ω Max	IDC A Max	SRF (MHz) Min	Wire size (mm)	Turns
RC0205-1R0K	1.0	0.040	0.56	200	0.30	11.5
RC0205-1R2K	1.2	0.040	0.56	180	0.30	12.5
RC0310-1R8K	1.8	0.026	1.90	160	0.55	11.5
RC0310-2R2K	2.2	0.028	1.57	150	0.50	13.5
RC0310-2R7K	2.7	0.030	1.57	140	0.50	15.5
RC0310-3R3K	3.3	0.035	1.27	135	0.45	17.5
RC0310-3R9K	3.9	0.050	1.00	110	0.40	18.5
RC0310-4R7K	4.7	0.070	0.76	90	0.35	19.5
RC0415-4R7K	4.7	0.024	2.26	90	0.60	17.5
RC0415-5R6K	5.6	0.030	1.90	80	0.55	18.5
RC0415-6R8K	6.8	0.040	1.57	80	0.50	18.5
RC0415-8R2K	8.2	0.060	1.27	80	0.45	21.5
RC0415-100K	10	0.080	1.00	70	0.40	24.5
RC0520-100K	10	0.040	2.65	60	0.65	22.5
RC0520-120K	12	0.044	2.26	55	0.60	23.5
RC0520-150K	15	0.060	1.90	45	0.55	27.5
RC0520-180K	18	0.080	1.57	40	0.50	29.5
RC0520-220K	22	0.100	1.27	38	0.45	32.5
RC0520-270K	27	0.150	1.00	36	0.40	36.5
RC0630-4R7K	4.7	0.005	16.08	85	1.60	12.5
RC0630-5R6K	5.6	0.005	16.08	80	1.60	14.5
RC0630-6R8K	6.8	0.008	10.61	75	1.30	15.5
RC0630-8R2K	8.2	0.009	9.04	67	1.20	16.5
RC0630-100K	10	0.010	9.04	64	1.20	19.5
RC0630-120K	12	0.018	6.28	57	1.00	20.5
RC0630-150K	15	0.023	5.08	53	0.90	23.5
RC0630-180K	18	0.030	4.02	49	0.80	24.5
RC0630-220K	22	0.045	3.07	44	0.70	27.5
RC0630-270K	27	0.050	3.07	42	0.70	31.5
RC0630-330K	33	0.060	2.65	36	0.65	35.5
RC0630-390K	39	0.080	2.26	34	0.60	40.5
RC0630-470K	47	0.110	1.90	32	0.55	44.5
RC0630-560K	56	0.140	1.57	30	0.50	46.5

Note:1. K=± 10%,M=± 20%

## TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

- Inductance measured with zero D.C current
- Increment current reduces inductance by ≤ 10%
- Operating temperature: -20°C~+80°C
- Test Equipment

DIMENSIONS IN:mm



Part number	A	B	C	D
RC0205	6.00Max	3.50Max	TBD	TBD
RC0310	11.00Max	5.00Max	TBD	TBD
RC0415	16.00Max	5.50Max	TBD	TBD
RC0520	21.00Max	7.00Max	TBD	TBD
RC0630	31.00Max	9.50Max	TBD	TBD

Note:All specifications subject to change without notice.