



# RC SERIES

## Through Hole High Current Radial Chokes

0205, 0310, 0415, 0520, 0630

### FEATURES

- Low cost design general purpose inductor
- High saturation current
- Easy construction that uses ferrite rod cores

### OPTIONS

- Packaging:T&R is std. (2000pcs)
- Tolerance:10% & 5% is standard
- Lower tolerances available

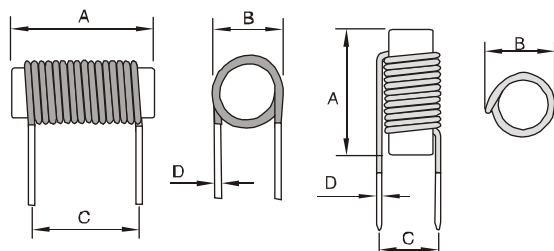
### APPLICATIONS

- Switching Regulators
- Automotive Systems
- Power Amplifiers
- Power Supply
- EMI/RFI Suppression
- DC line Filters

Part Number	L $\mu$ H	DCR ohm Max.	IDC A Max.	SRF MHz min.	Wire size mm	Turns
RCO205-1 ROK	1	0.04	0.56	200	0.3	11.5
RCO205-1R2K	1.2	0.04	0.56	180	0.3	12.5
RCO310-1R8K	1.8	0.026	1.9	160	0.55	11.5
RCO310-2R2K	2.2	0.028	1.57	150	0.5	13.5
RCO310-2R7K	2.7	0.03	1.57	140	0.5	15.5
RCO310-3R3K	3.3	0.035	1.27	135	0.45	17.5
RCO310-3R9K	3.9	0.05	1	110	0.4	18.5
RCO310-4R7K	4.7	0.07	0.76	90	0.35	19.5
RCO415-4R7K	4.7	0.024	2.26	90	0.6	17.5
RCO415-5R6K	5.6	0.03	1.9	80	0.55	18.5
RCO415-6R8K	6.8	0.04	1.57	80	0.5	18.5
RCO415-8R2K	8.2	0.06	1.27	80	0.45	21.5
RCO415-100K	10	0.08	1	70	0.4	24.5
RCO520-100K	10	0.04	2.65	60	0.65	22.5
RCO520-120K	12	0.044	2.26	55	0.6	23.5
RCO520-150K	15	0.06	1.9	45	0.55	27.5
RCO520-180K	18	0.08	1.57	40	0.5	29.5
RCO520-220K	22	0.1	1.27	38	0.45	32.5
RCO520-270K	27	0.15	1	36	0.4	36.5
RCO630-4R7K	4.7	0.005	16.08	85	1.6	12.5
RCO630-5R6K	5.6	0.005	16.08	80	1.6	14.5
RCO630-6R8K	6.8	0.008	10.61	75	1.3	15.5
RCO630-8R2K	8.2	0.009	9.04	67	1.2	16.5
RCO630-100K	10	0.01	9.04	64	1.2	19.5
RCO630-120K	12	0.018	6.28	57	1	20.5
RCO630-150K	15	0.023	5.08	53	0.9	23.5
RCO630-180K	18	0.03	4.02	49	0.8	24.5
RCO630-220K	22	0.045	3.07	44	0.7	27.5
RCO630-270K	27	0.05	3.07	42	0.7	31.5
RCO630-330K	33	0.06	2.65	36	0.65	35.5
RCO630-390K	39	0.08	2.26	34	0.6	40.5
RCO630-470K	47	0.11	1.9	32	0.55	44.5
RCO630-560K	56	0.14	1.57	30	0.5	46.5

- Inductance measured with zero D.C current
- Increment current reduces inductance by  $\leq 10\%$
- Operating temperature:  $-20^{\circ}\text{C} \sim +80^{\circ}\text{C}$
- Test Equipment

DIMENSIONS IN:mm



Part number	A	B	C	D
RCO205	6.00Max	3.50Max	TBD	TBD
RCO310	11.00Max	5.00Max	TBD	TBD
RCO415	16.00Max	5.50Max	TBD	TBD
RCO520	21.00Max	7.00Max	TBD	TBD
RCO630	31.00Max	9.50Max	TBD	TBD