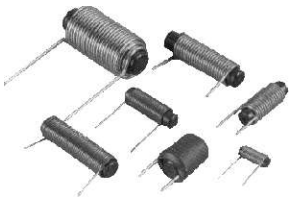
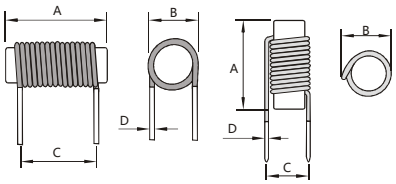
SH-RC- SERIES 0205,0310,0415,0520,0630
THROUGH-HOLE HIGH CURRENT RADIAL ROD CHOKES





TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable)
  Inductance:
  Measured zero DC current
  on LCR meter HP 4284A
  RDC:QuadTech 1880 Milliohmmeter
- IDC Max Amps:
  The typical current at which the inductance will decrease ≤10% from its initial value
- Temperature range: -55℃ to +125℃ with no load
  -55℃ to +85℃ at full rated current

Note:
All specifications subject to change without notice.

FEATURES:

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

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

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

Additional information:
We reserve the right to make technical changes or modify the contents of this document without prior notice.
SHARE Ltd. Does not accept any responsibility what so ever for potential errors or possible lack of information in this document.
We can offer that even custom-made transformers will be covered by approvals from UL, CSA, KEMA, etc., but we will be happy to assist you in implementing them.
New approvals may be required.

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

Dimensions: mm

STANDARD SPECIFICATIONS:

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

Note:1. K=±10%,M=±20%

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