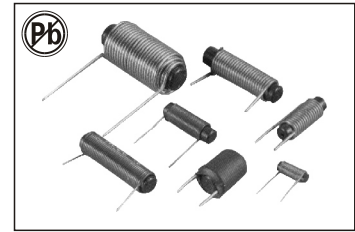


THROUGH-HOLE HORIZONTAL HASH CHOKES FWRC SERIES

03,05,10,15



FEATURES:

- High current rating
- Low DC resistance
- Pre-tinned Leads
- Polyolefin shrink tubing
- Excellent Stability
- High Reliability

OPTIONS:

- Packaging: Bulk is standard
- Tolerance: 10% is standard
tighter tolerances available

COMMON APPLICATIONS:

- Noise Filtering
- Amplifiers
- Switching Regulators
- Power Supplies
- Triac Control Circuits
- SCR Control Circuits

ELECTRICAL CHARACTERISTICS:

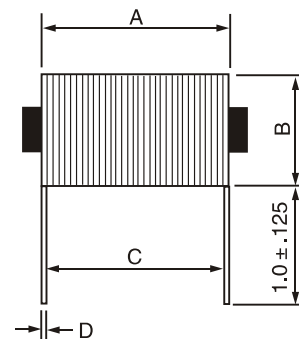
Part Number	L μ H	Tol %	DCR Ω Max	Rated Amps	IDC Max Amps	A (MAX)	B (MAX)	C (MAX)	D (MAX)
FWRC-03-50K	5	± 10	.015	10.0	25	.875	.600	.500	.042
FWRC-03-100K	10	± 10	.018	9.0	19	1.125	.625	.687	.042
FWRC-03-270K	27	± 10	.035	7.0	12	.875	.800	.437	.042
FWRC-03-500K	50	± 10	.050	5.6	8	.875	.800	.750	.042
FWRC-03-101K	100	± 10	.065	5.2	6	1.125	.800	.937	.042
FWRC-03-151K	150	± 10	.075	5.0	5	1.375	.800	1.062	.042
FWRC-03-251K	250	± 10	.090	5.0	4	1.625	.800	1.312	.042
FWRC-05-50K	5	± 10	.012	14.0	25	.875	.625	.750	.053
FWRC-05-100K	10	± 10	.015	12.0	19	1.125	.625	1.0	.053
FWRC-05-270K	27	± 10	.025	9.0	13	.875	.840	.562	.053
FWRC-05-500K	50	± 10	.030	8.0	10	1.125	.840	.750	.053
FWRC-05-680K	68	± 10	.035	7.5	9	1.125	.860	.875	.053
FWRC-05-101K	100	± 10	.050	7.5	7	1.375	.860	1.0	.053
FWRC-05-151K	150	± 10	.060	7.0	5	1.625	.860	1.250	.053
FWRC-10-50K	5	± 10	.010	19.0	25	1.125	.635	.812	.065
FWRC-10-100K	10	± 10	.012	16.0	19	1.375	.635	1.218	.065
FWRC-10-270K	27	± 10	.018	12.5	12	1.125	.935	.687	.065
FWRC-10-500K	50	± 10	.025	11.0	10	1.375	.935	.937	.065
FWRC-10-680K	68	± 10	.027	10.0	8	1.375	.935	1.125	.065
FWRC-10-101K	100	± 10	.030	10.0	7	1.625	.935	1.312	.065
FWRC-15-50K	5	± 10	.008	24.0	25	1.375	.700	.937	.082
FWRC-15-100K	10	± 10	.010	20.0	19	1.687	.700	1.50	.082
FWRC-15-270K	27	± 10	.015	16.0	14	1.375	1.0	.937	.082
FWRC-15-500K	50	± 10	.020	15.0	10	1.625	1.0	1.125	.082

Note: 1. K= ± 10%, M= ± 20%

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable)
Inductance: Measured at 1kHz with 0.1V zero DC current on LCR meter HP 4284A
RDC: QuadTech 1880 Milliohm meter
- IDC Max Amps: The typical current at which the inductance will decrease 5% from its initial value
- Temperature range: -55°C to +125°C with no load
-55°C to +85°C at full rated current
- Marking: Inductance and tolerance
- Marking: Inductance and Tolerance on optional tubing only

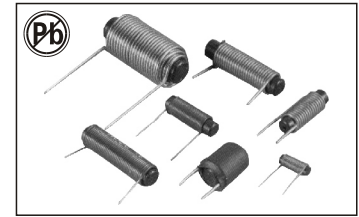
PHYSICAL CHARACTERISTICS:



Dimensions: inches

THROUGH-HOLE HIGH CURRENT RADIAL ROD CHOKES FWRC 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 :

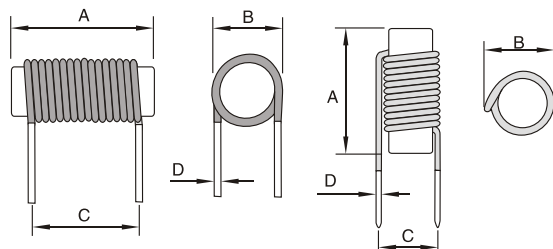
Part Number	L μ H	DCR Ω Max	IDC A Max	SRF (MHz) Min	Wire size (mm)	Turns
FW RC0205-1R0K	1.0	0.040	0.56	200	0.30	11.5
FW RC0205-1R2K	1.2	0.040	0.56	180	0.30	12.5
FW RC0310-1R8K	1.8	0.026	1.90	160	0.55	11.5
FW RC0310-2R2K	2.2	0.028	1.57	150	0.50	13.5
FW RC0310-2R7K	2.7	0.030	1.57	140	0.50	15.5
FW RC0310-3R3K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

Note: 1. K = $\pm 10\%$, M = $\pm 20\%$

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

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

DIMENSIONS IN: mm



Part number	A	B	C	D
FWRC0205	6.00Max	3.50Max	TBD	TBD
FWRC0310	11.00Max	5.00Max	TBD	TBD
FWRC0415	16.00Max	5.50Max	TBD	TBD
FWRC0520	21.00Max	7.00Max	TBD	TBD
FWRC0630	31.00Max	9.50Max	TBD	TBD

Note: All specifications subject to change without notice.