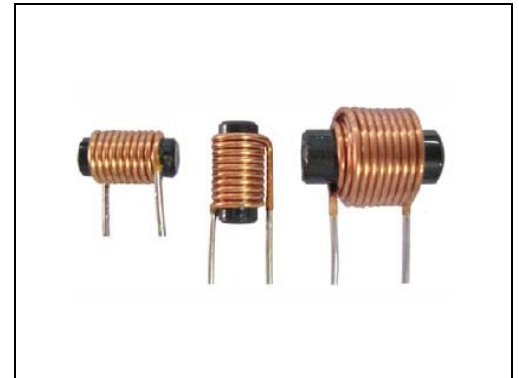


Type FC (1 ~ 250) μ H

- # High saturation current
- # Low cost design
- # Tin plated leads
- # Varnish coated or UL tube



TFC PART NUMBER	Inductance (μ H)	d.c. resistance (Ω)Max	Rated a.c. current (A)	SRF (MHz) Min.	Wire size (mm)	No. of turns (ref)
FC0205-1R0K	1.0	0.040	0.56	200	0.30	11.5
FC0205-1R2K	1.2	0.040	0.56	180	0.30	12.5
FC0310-1R8K	1.8	0.026	1.90	160	0.55	11.5
FC0310-2R2K	2.2	0.028	1.57	150	0.50	13.5
FC0310-2R7K	2.7	0.030	1.57	140	0.50	15.5
FC0310-3R3K	3.3	0.035	1.27	135	0.45	17.5
FC0310-3R9K	3.9	0.050	1.00	110	0.40	18.5
FC0310-4R7K	4.7	0.070	0.76	90	0.35	19.5
FC0415-4R7K	4.7	0.240	2.26	90	0.60	17.5
FC0415-5R6K	5.6	0.030	1.90	80	0.55	18.5
FC0415-6R8K	6.8	0.040	1.57	80	0.50	18.5
FC0415-8R2K	8.2	0.060	1.27	80	0.45	21.5
FC0415-100K	10	0.080	1.00	70	0.40	24.5
FC0520-100K	10	0.040	2.65	60	0.65	22.5
FC0520-120K	12	0.044	2.26	55	0.60	23.5
FC0520-150K	15	0.060	1.90	45	0.55	27.5
FC0520-180K	18	0.080	1.57	40	0.50	29.5
FC0520-220K	22	0.100	1.27	38	0.45	32.5
FC0520-270K	27	0.150	1.00	36	0.40	36.5

TFC PART NUMBER	Inductance (μH)	d.c. resistance (Ω)Max	Rated a.c. current (A)	SRF (MHz) Min.	Wire size (mm)	No. of turns (ref)
FC0630-4R7K	4.7	0.005	16.08	85	1.60	12.5
FC0630-5R6K	5.6	0.005	16.08	80	1.60	14.5
FC0630-6R8K	6.8	0.008	10.61	75	1.30	15.5
FC0630-8R2K	8.2	0.009	9.04	67	1.20	16.5
FC0630-100K	10	0.010	9.04	64	1.20	19.5
FC0630-120K	12	0.018	6.28	57	1.00	20.5
FC0630-150K	15	0.023	5.08	53	0.90	23.5
FC0630-180K	18	0.030	4.02	49	0.80	24.5
FC0630-220K	22	0.045	3.07	44	0.70	27.5
FC0630-270K	27	0.050	3.07	42	0.70	31.5
FC0630-330K	33	0.060	2.65	36	0.65	35.5
FC0630-390K	39	0.080	2.26	34	0.60	40.5
FC0630-470K	47	0.110	1.90	32	0.55	44.5
FC0630-560K	56	0.140	1.57	30	0.50	46.5



TFC PART NUMBER	Inductance (μ H)	d.c. resistance (Ω)Max	SRF (MHz) Min.	I sat (A) max.	rated a.c. current AC(A)ref.	Dimensions (mm)			
						A Max.	D Max.	C ± 2.0	E ± 0.10
FC0820- 5R0N- 3A	5.0	0.015	40	19	3.0	22.23	15.88	12.70	1.0
FC1025- 100N- 3A	10	0.081	25	17	3.0	28.58	15.88	17.45	1.0
FC0820- 270N- 3A	27	0.035	8	15	3.0	22.23	20.62	11.10	1.0
FC0525- 500N- 3A	50	0.050	5	12	3.0	28.58	20.62	19.05	1.0
FC0828- 101N- 3A	100	0.065	2.5	8	3.0	28.58	20.62	23.80	1.0
FC0832- 151N- 3A	150	0.075	2	5	3.0	34.93	20.62	26.97	1.0
FC0840- 251N- 3A	250	0.090	1	3	3.0	41.28	20.62	33.32	1.0
FC1020- 5R0N- 5A	5.0	0.012	30	20	5.0	22.23	16.62	19.05	1.3
FC0828- 100N- 5A	10	0.015	20	18	5.0	28.53	16.62	25.40	1.3
FC0820- 270N- 5A	27	0.025	7	15	5.0	22.23	22.23	14.27	1.3
FC1025- 500N- 5A	50	0.030	4	10	5.0	28.53	22.23	19.05	1.3
FC0828- 680N- 5A	68	0.035	3.5	9	5.0	28.53	22.23	22.23	1.3
FC1032- 101N- 5A	100	0.050	2.5	7	5.0	34.93	22.23	25.40	1.3
FC1040- 151N- 5A	150	0.060	2	5	5.0	41.28	22.23	31.75	1.3
FC1025- 5R0N- 10A	5.0	0.010	30	19	10	28.53	17.45	20.62	1.6
FC1032- 100N- 10A	10	0.012	20	17	10	34.93	17.45	30.94	1.6
FC1825- 270N- 10A	27	0.018	7	15	10	28.53	23.80	17.45	1.6
FC0832- 500N- 10A	50	0.025	4	9	10	34.93	23.80	23.80	1.6
FC1032- 680N- 10A	68	0.027	3.5	8	10	34.93	23.80	28.53	1.6
FC1040- 101N- 10A	100	0.030	2.5	6	10	41.28	23.80	33.32	1.6
FC1032- 5R0N- 15A	5.0	0.008	30	20	15	34.93	18.42	23.80	2.0
FC1040- 100N- 15A	10	0.010	20	17	15	42.85	18.42	38.10	2.0
FC0828- 270N- 15A	27	0.015	7	14	15	34.93	25.40	23.80	2.0
FC1035- 500N- 15A	50	0.020	4	9	15	41.28	25.40	28.53	2.0



FC Type dimensions (mm)

TFC P/N	Standard FC type: Fig. 1			Fig.2
	A max.	D max.	C ref.	C1 ref.
FC0205	6.0	3.5	3.5	3.5
FC0310	11.0	5.0	7.5	5.0
FC0415	16.0	5.5	12.5	6.0
FC0520	21.0	7.0	15.0	8.0
FC0630	31.0	9.5	25.0	10.0

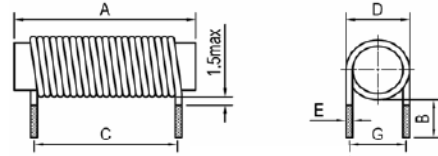


Figure 1: standard FC

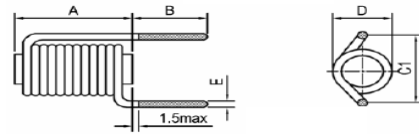


Figure 2: RV type

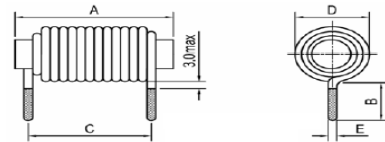


Figure 3: 3 or 5 layer type, see spec sheet

Ordering information :

FC 0520 - 100 K - 8RV - UL

(1) (2) (3) (4) (5) (6)

- (1) Type: basic model high current choke.
- (2) Style: Core **D**=5 mm **L**=20 mm
- (3) Inductance: Example: **100** for **10**μH
- (4) Inductance tolerance: **K**: ±10%; **M**: ±20%
- (5) Shape: **8RV** is 8mm length PIN and Right wound and Vertical structure; No code is normal type
- (6) Sleeve: "**UL**": Black UL Tube; No code is no sleeve

Electrical specification

Case size

FC0205, FC0310, FC415, FC520, FC630
FC0525 / 0820 / 0828 / 0832 / 0840 / 1020 / 1025 / 1040 Please see the specification sheet.

Inductance range

(1 ~250) μH

Suggested rated current

Copper wire current density is about 8.0 A/mm².

Operating temperature

-20 °C to 80 °C

Test equipment and set up

L tested by LCR meter @ 1kHz
DCR tested by Milli-ohm meter
Electrical specifications at 25 °C