

### 大电流滤波扼流圈

### HIGH CURRENT FILTER CHOKES

Operating Temp: -20°C ~ 80°C



#### 特征:

- 高饱和电流.
- 电感应用广泛.
- 低损耗,
- 绝缘漆涂层或 UL 套管.

#### FEATURES:

- High saturation current
- General purpose inductors
- Low cost design
- Varnish coated or UL tube.

#### 用途:

- 电源供应器.
- 功率放大电路.
- 噪声滤波器为开关稳压器.
- 晶闸管和可控硅电路.

#### APPLICATIONS:

- Power supplies
- Power amplifiers
- Noise filter for Switching regulators
- SCR and Triac circuits

#### 产品型号:

#### PRODUCT IDENTIFICATION:

**YKFC** — **0520** — **100** — **K** — **8RV** — **UL**

①                      ②                      ③                      ④                      ⑤                      ⑥

类型 Type	
YKFC	大电流滤波扼 High Current Filter Chokes

外形尺寸(L×H) (mm) External Dimensions (L×H) (mm)	
0520	21.0*15.0

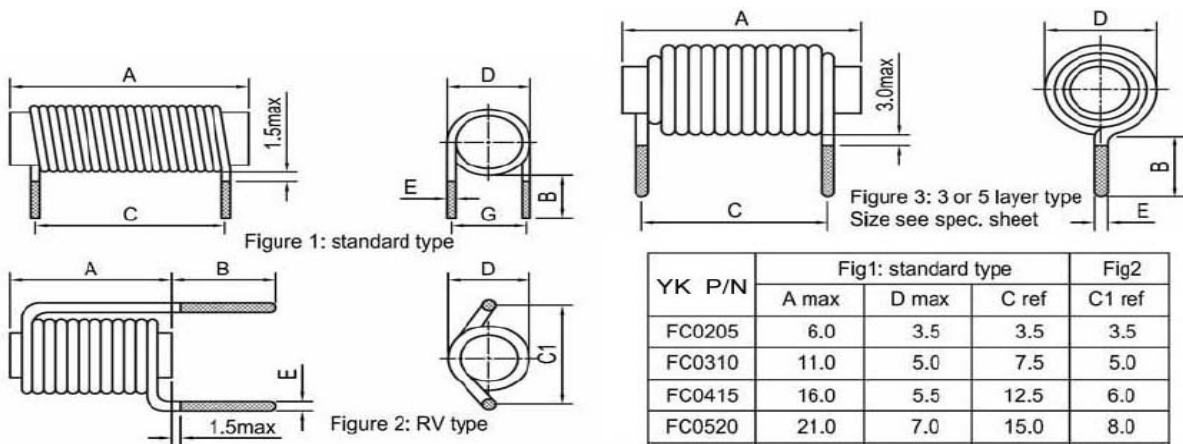
Inductance
10 uH

Tolerance	
J: ±5%, K: ±10%, L: ±15%	
M: ±20%, P: ±25%, N: ±30%	

包装 Packing	
B	散装 Bulk Package
T	编带 Tape & Reel

Sleeve
“UL”Blake UB Tube

#### Shape and Size(Dimension are in mm):



## YKFC0205 Series

Part No.	L (uH) @1KHz	DCR (Ohm) Max	Suggested Rated Current AC (A) Ref.	SRF (MHz) Min	Wire Size (mm)	No.of Turns Ref.	Net Weight g/pcs
YKFC0205-1R0K	1.0	0.040	0.56	200	0.30	11.5	0.150
YKFC0205-1R2K	1.2	0.040	0.56	180	0.30	12.5	0.165

## YKFC0310 Series

YKFC0310-1R8K	1.8	0.026	1.90	160	0.55	11.5	0.70
YKFC0310-2R2K	2.2	0.028	1.57	150	0.50	13.5	0.714
YKFC0310-2R7K	2.7	0.030	1.57	140	0.50	15.5	0.729
YKFC0310-3R3K	3.3	0.035	1.27	135	0.45	17.5	0.686
YKFC0310-3R9K	3.9	0.050	1.00	110	0.40	18.5	0.634
YKFC0310-4R7K	4.7	0.070	0.76	90	0.35	19.5	0.575

## YKF0415 Series

YKFC0415-4R7K	4.7	0.240	2.26	90	0.60	17.5	1.60
YKFC0415-5R6K	5.6	0.030	1.90	80	0.55	18.5	1.40
YKFC0415-6R8K	6.8	0.040	1.57	80	0.50	18.5	1.40
YKFC0415-8R2K	8.2	0.060	1.27	80	0.45	21.5	1.32
YKFC0415-100K	10	0.080	1.00	70	0.40	24.5	1.20

## YKF0520 Series

YKFC0520-100K	10	0.040	2.65	60	0.65	22.5	31.0
YKFC0520-120K	12	0.044	2.26	55	0.60	23.5	2.98
YKFC0520-150K	15	0.060	1.90	45	0.55	27.5	2.97
YKFC0520-180K	18	0.080	1.57	40	0.50	29.5	2.87
YKFC0520-220K	22	0.100	1.27	38	0.45	32.5	2.73
YKFC0520-270K	27	0.150	1.00	36	0.40	36.5	2.63

## YKF0630 Series

YKFC0630-4R7K	4.7	0.005	16.08	85	1.60	12.5	10.2
YKFC0630-5R6K	5.6	0.005	16.08	80	1.60	14.5	11.0
YKFC0630-6R8K	6.8	0.008	10.61	75	1.30	15.5	8.68
YKFC0630-8R2K	8.2	0.009	9.04	67	1.20	16.5	8.35
YKFC0630-100K	10	0.010	9.04	64	1.20	19.5	8.80
YKFC0630-120K	12	0.018	6.28	57	1.00	20.5	7.43
YKFC0630-150K	15	0.023	5.08	53	0.90	23.5	7.23
YKFC0630-180K	18	0.030	4.02	49	0.80	24.5	6.70
YKFC0630-220K	22	0.045	3.07	44	0.70	27.5	6.24
YKFC0630-270K	27	0.050	3.07	42	0.70	31.5	6.40
YKFC0630-330K	33	0.060	2.65	36	0.65	35.5	6.53
YKFC0630-390K	39	0.080	2.26	34	0.60	40.5	6.23
YKFC0630-470K	47	0.110	1.90	32	0.55	44.5	6.22
YKFC0630-560K	56	0.140	1.57	30	0.50	46.5	5.80

Part No.	L @1KHz (uH)	DCR (Ohm) Max	SRF (MHz) Min	I Sat (A) Max	Suggested Rated CurrentAC Ref.	Dimensions(mm)			
						A Max	B Max	C ±2.0	E ±0.10
YKFC0820-5R0N-3A	5.0	0.015	40	19	3.0	22.23	15.88	12.70	1.0
YKFC1025-100N-3A	10	0.081	25	17	3.0	28.58	15.88	17.45	1.0
YKFC0820-270N-3A	27	0.035	8	15	3.0	22.23	20.62	11.10	1.0
YKFC0525-500N-3A	50	0.050	5	12	3.0	28.58	20.62	19.05	1.0
YKFC0820-101N-3A	100	0.065	2.5	8	3.0	28.58	20.62	23.80	1.0
YKFC0832-151N-3A	150	0.075	2	5	3.0	34.93	20.62	26.97	1.0
YKFC0840-251N-3A	250	0.090	1	3	3.0	41.28	20.62	33.32	1.0
YKFC1020-5R0N-5A	5.0	0.012	30	20	5.0	22.23	20.62	19.05	1.3
YKFC0828-100N-5A	10	0.015	20	18	5.0	28.53	16.62	25.40	1.3
YKFC0820-270N-5A	27	0.025	7	15	5.0	22.23	16.62	14.27	1.3
YKFC1025-500N-5A	50	0.030	4	10	5.0	28.53	22.23	19.05	1.3
YKFC0828-680N-5A	68	0.035	3.5	9	5.0	28.53	22.23	22.23	1.3
YKFC1032-101N-5A	100	0.050	2.5	7	5.0	34.93	22.23	25.40	1.3
YKFC1040-151N-5A	150	0.060	2	5	5.0	41.28	22.23	31.75	1.3
YKFC1025-5R0N-10A	5.0	0.010	30	19	10	28.53	17.45	20.62	1.6
YKFC1032-100N-10A	10	0.012	20	17	10	34.93	17.45	30.94	1.6
YKFC1825-270N-10A	27	0.018	7	15	10	28.53	23.80	17.45	1.6
YKFC0832-500N-10A	50	0.025	4	9	10	34.93	23.80	23.80	1.6
YKFC1032-680N-10A	68	0.027	3.5	8	10	34.93	23.80	28.53	1.6
YKFC1040-101N-10A	100	0.030	2.5	6	10	41.28	23.80	33.32	1.6
YKFC1032-5R0N-15A	5.0	0.008	30	20	15	34.93	18.42	23.80	2.0
YKFC1040-100N-15A	10	0.010	20	17	15	42.85	18.42	38.10	2.0
YKFC0828-270N-15A	27	0.015	7	14	15	34.93	25.40	23.80	2.0
YKFC1035-500N-15A	50	0.020	4	9	15	41.28	25.40	28.53	2.0