

▲主要应用/Application

广泛应用于 UPS , SMPSS, 逆变电源, 焊机电源等设备中起耦合隔直/滤波或 DC-Link 用。
DC-Link and coupling /filtering for UPS , SMPSS, inverter, welding machine power.

▲产品特点/Characteristics

电介质：聚丙烯薄膜

结构：金属化膜干式结构

封装：塑料外壳，阻燃（94V-0 级）环氧封装

引出：镀锡铜线引出

高频，低自感，高稳定性

具有自愈性

Dielectric: Polypropylene film

Construction: Extended metalized r film, dry construction

Coating: Resistant plastic case with resin sealing.

Flame retardant execution(UL 94V-0)

Terminals: Tinned copper wire

High frequency, low inductance, High stability

Self healing



▲技术性能/Specifications

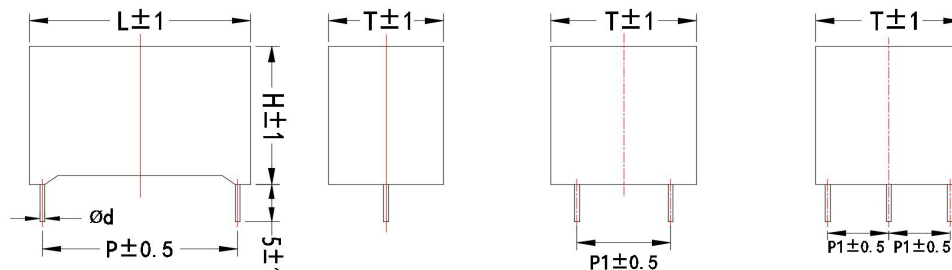
引用标准/Reference standares	IEC 61071
工作温度范围 Operating temperature range	-40~105°C
容量范围 Capacitance	1.0~150μF
额定电压 Rated Voltage	500~1100VDC
容量偏差 Tolerance	±5%, ±10%
极间耐电压 Test voltage between terminals	1.5Ur(DC) 10s 25±5°C
极壳耐电压 Test voltage between terminals and case	3000V 50Hz 60S, 25±5°C
损耗角正切 Dissipation factor	$\text{tg}\delta \leq 1 \times 10^{-3}$ at 25±5°C , 1KHz
绝缘电阻 Insulation resistance	$C \cdot IR \geq 5000S$, at 100VDC, 25±5°C, 60S
预期寿命 Life expectancy	100000h at Un and 70°C

电压等级								
Un @ 70°C	500V	600V	700V	800V	900V	1000V	1100V	1200V
Un @ 85°C	450V	500V	600V	700V	760V	850V	900V	1000V
Un @ 105°C	330V	365V	440V	500V	550V	620V	650V	730V

▲型号编码/Part Numbering System

150	FCP	650	K	B	S
电压 Voltage	系列 Type	容量 Capacitance	误差 Tolerance	脚位 Pins	引线长度 lead length
150=500vdc	FCP	550=5UF	K= ±10%	B=2 Pins	S=5mm
170=700vdc		650=50UF	J= ±5%	C=4 Pins	L=30mm
211=1100vdc		750=500UF		D=6 Pins	

▲外形图/Outline drawing



▲参数表 Technical Data

CAP μF	Dimension (mm)						du/dt	Irms@60°C	ESR@1.0K	Part Number
	L	T	H	P	P1	d	v/μs	@10KHz (A)	Hz(mΩ)	
Un 500VDC , Us 750V , Ur 110V										
16	42.5	22.0	30.0	37.5	-	1.2	20	10.0	7.0	150FCP616KBS
25	42.5	28.0	37.0	37.5	-	1.2	20	12.0	4.2	150FCP625KBS
25	42.5	28.0	37.0	37.5	10	1.2	20	14.0	4.2	150FCP625KCS
35	42.5	30.0	45.0	37.5	-	1.2	20	12.0	3.0	150FCP635KBS
35	42.5	30.0	45.0	37.5	20	1.2	20	17.0	2.5	150FCP635KCS
40	42.5	33.0	45.0	37.5	-	1.2	20	12.0	2.8	150FCP640KBS
40	42.5	33.0	45.0	37.5	20	1.2	20	19.0	2.4	150FCP640KCS
50	57.5	30.0	45.0	52.5	-	1.2	13	12.0	4.0	150FCP650KBS
50	57.5	30.0	45.0	52.5	20	1.2	13	17.0	3.5	150FCP650KCS
65	57.5	35.0	50.0	52.5	-	1.2	13	12.0	3.3	150FCP665KBS
65	57.5	35.0	50.0	52.5	20	1.2	13	20.0	2.7	150FCP665KCS
80	57.5	42.5	56.0	52.5	20	1.2	11	22.0	2.7	150FCP680KCS
90	57.5	42.5	56.0	52.5	20	1.2	11	22.0	2.5	150FCP690KCS
100	57.5	42.5	56.0	52.5	20	1.2	11	22.0	2.4	150FCP710KCS
110	57.5	42.5	56.0	52.5	20	1.2	11	22.0	2.4	150FCP711KCS
Un 700VDC , Us 1050V , Ur 150V										
15	42.5	22.0	30.0	37.5	-	1.2	22	10.0	8.0	170FCP615KBS
22	42.5	28.0	37.0	37.5	-	1.2	22	12.0	5.5	170FCP622KBS
22	42.5	28.0	37.0	37.5	10	1.2	22	12.0	5.2	170FCP622KCS
30	42.5	30.0	45.0	37.5	-	1.2	22	12.0	4.0	170FCP630KBS
30	42.5	30.0	45.0	37.5	20	1.2	22	15.0	3.5	170FCP630KCS
35	42.5	33.0	45.0	37.5	-	1.2	22	12.0	3.5	170FCP635KBS
35	42.5	33.0	45.0	37.5	20	1.2	20	18.0	3.1	170FCP635KCS
45	57.5	30.0	45.0	52.5	-	1.2	15	12.0	5.3	170FCP645KBS
45	57.5	30.0	45.0	52.5	20	1.2	15	20.0	3.5	170FCP645KCS
55	57.5	35.0	50.0	52.5	-	1.2	15	12.0	4.3	170FCP655KBS
55	57.5	35.0	50.0	52.5	20	1.2	15	22.0	2.8	170FCP655KCS
90	57.5	42.5	56.0	52.5	20	1.2	15	22.0	3.5	170FCP690KCS
100	57.5	35	50.0	52.5	20	1.2	14	23.0	3.4	170FCP710KCS
145	57.5	42.5	56.0	52.5	20	1.2	14	24.0	2.7	170FCP714KCS
145	57.5	42.5	56.0	52.5	10	1.2	14	24.0	2.9	170FCP714KDS

*可根据用户需求，提供定制产品。*Special design available to meet your requirements

▲参数表 Technical Data

CAP μF	Dimension (mm)						du/dt	Irms@60°C	ESR@1.0K	Part Number
	L	T	H	P	P1	d	v/μs	@10KHz (A)	Hz(mΩ)	
Un 900VDC , Us 1350V , Ur 200V										
10	42.5	22.0	30.0	37.5	-	1.2	30	8.0	9.5	190FCP610KBS
15	42.5	28.0	37.0	37.5	-	1.2	30	11.0	6.5	190FCP615KBS
15	42.5	28.0	37.0	37.5	10	1.2	30	11.0	6.0	190FCP615KCS
20	42.5	30.0	45.0	37.5	-	1.2	30	12.0	5.0	190FCP620KBS
20	42.5	30.0	45.0	37.5	20	1.2	30	13.0	4.5	190FCP620KCS
30	42.5	30.0	45.0	37.5	-	1.2	20	12.0	6.3	190FCP630KBS
30	42.5	30.0	45.0	37.5	20	1.2	20	16.0	5.9	190FCP630KCS
40	57.5	35.0	50.0	52.5	-	1.2	20	12.0	4.9	190FCP640KBS
40	57.5	35.0	50.0	52.5	20	1.2	20	20.0	4.5	190FCP640KCS
55	57.5	42.5	56.0	52.5	20	1.2	20	22.0	3.1	190FCP655KCS
60	57.5	42.5	56.0	52.5	20	1.2	20	22.0	3.1	190FCP660KCS
65	57.5	42.5	56.0	52.5	20	1.2	20	22.0	3.1	190FCP665KCS
90	57.5	42.5	56	52.5	20	1.2	20	23	3.2	190FCP690KCS
90	57.5	42.5	56	52.5	10	1.2	20	25	3.4	190FCP690KDS
Un 1100VDC , Us 1650V , Ur 225V										
1	31.0	13.0	22.0	27.5	-	0.8	40	2.5	18.0	211FCP510KBS
2	42.5	15.0	26.0	37.5	-	1.0	40	4.5	15.0	211FCP520KBS
5	42.5	22.0	30.0	37.5	-	1.2	40	6.0	13.0	211FCP550KBS
10	42.5	28.0	37.0	37.5	-	1.2	40	10.0	8.0	211FCP610KBS
10	42.5	28.0	37.0	37.5	10	1.2	40	10.0	7.5	211FCP610KCS
15	42.5	33.0	45.0	37.5	-	1.2	40	12.0	5.5	211FCP615KBS
15	42.5	33.0	45.0	37.5	20	1.2	40	13.0	5.0	211FCP615KCS
22	57.5	30.0	45.0	52.5	-	1.2	27	12.0	7.0	211FCP622KBS
22	57.5	30.0	45.0	52.5	20	1.2	27	14.0	6.5	211FCP622KCS
25	57.5	35.0	50.0	52.5	-	1.2	27	12.0	6.3	211FCP625KBS
25	57.5	35.0	50.0	52.5	20	1.2	27	16.0	6.0	211FCP625KCS
40	57.5	42.5	56.0	52.5	20	1.2	27	20.0	3.5	211FCP640KCS
45	57.5	42.5	56.0	52.5	20	1.2	27	20.0	3.5	211FCP645KCS
50	57.5	35	50	52.5	20	1.2	20	20	4.5	211FCP650KCS
65	57.5	42.5	56	52.5	20	1.2	20	23	3.7	211FCP665KCS

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