

▲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



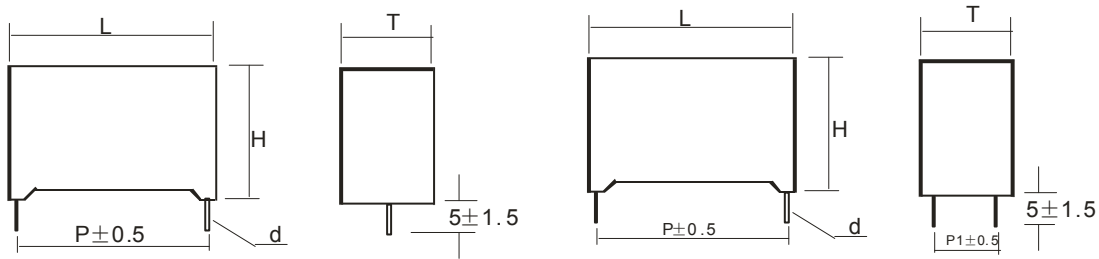
▲技术性能/Specifications

引用标准/Reference standares	IEC 61071 60068
工作温度范围 Operating temperature range	-40~85℃
容量范围 Capacitance	5.0~100μF
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℃
极壳耐电压 Test voltage between terminals and case	3000V 50Hz 60S, 25±5℃
损耗角正切 Dissipation factor	$\text{tg}\delta \leq 1 \times 10^{-3}$ at 25±5℃, 1KHz
绝缘电阻 Insulation resistance	$C \cdot IR \geq 5000S$, at 100VDC, 25±5℃, 60S
预期寿命 Life expectancy	100000h at Un and 70℃

▲过压运行/Protection against over voltages

1.1×Un	30%of the service period
1.15×Un	30min/d
1.2×Un	5min/d
1.3×Un	1min/d
1.5×Un	100ms no more than 1000 times

▲外形图/Outline drawing



▲型号编码/Part Numbering System

150	FCP	616	*	B	#
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		616=16UF	J= ±5%	C=4 Pins	L=30MM
190=900vdc		650=50UF			
211=1100vdc		750=500UF			

▲Article table/参数表

Part Number	CAP μF	Dimension (mm)						du/dt v/μs	I _{rms} A	ESR mΩ
		L	T	H	P	P1	d			
Un 500Vdc										
150FCP616*B#	16	42.5	22.0	30.0	37.5	-	1.2	20	10.0	7.0
150FCP625*B#	25	42.5	28.0	37.0	37.5	-	1.2	20	12.0	4.2
150FCP625*C#	25	42.5	28.0	37.0	37.5	10.0	1.2	20	14.0	4.2
150FCP635*B#	35	42.5	30.0	45.0	37.5	-	1.2	20	12.0	3.0
150FCP635*C#	35	42.5	30.0	45.0	37.5	20.0	1.2	20	17.0	2.5
150FCP640*B#	40	42.5	33.0	45.0	37.5	-	1.2	20	12.0	2.8
150FCP640*C#	40	42.5	33.0	45.0	37.5	20.0	1.2	20	19.0	2.4
150FCP650*B#	50	57.5	30.0	45.0	52.5	-	1.2	13	12.0	4.0
150FCP650*C#	50	57.5	30.0	45.0	52.5	20.0	1.2	13	17.0	3.5
150FCP665*B#	65	57.5	35.0	50.0	52.5	-	1.2	13	12.0	3.3
150FCP665*C#	65	57.5	35.0	50.0	52.5	20.0	1.2	13	20.0	2.7
150FCP680*C#	80	57.5	42.5	56.0	52.5	20.0	1.2	11	22.0	2.7
150FCP690*C#	90	57.5	42.5	56.0	52.5	20.0	1.2	11	22.0	2.5
150FCP710*C#	100	57.5	42.5	56.0	52.5	20.0	1.2	11	22.0	2.4
150FCP711*C#	110	57.5	42.5	56.0	52.5	20.0	1.2	11	22.0	2.4

Part Number	CAP μF	Dimension (mm)						du/dt v/μs	I _{rms} A	ESR mΩ
		L	T	H	P	P1	d			
Un 700Vdc										
170FCP615*B#	15	42.5	22.0	30.0	37.5	-	1.2	22	10.0	8.0
170FCP622*B#	22	42.5	28.0	37.0	37.5	-	1.2	22	12.0	5.5
170FCP622*C#	22	42.5	28.0	37.0	37.5	10.0	1.2	22	12.0	5.2
170FCP630*B#	30	42.5	30.0	45.0	37.5	-	1.2	22	12.0	4.0
170FCP630*C#	30	42.5	30.0	45.0	37.5	20.0	1.2	22	15.0	3.5
170FCP635*B#	35	42.5	33.0	45.0	37.5	-	1.2	22	12.0	3.5
170FCP635*C#	35	42.5	33.0	45.0	37.5	20.0	1.2	20	18.0	3.1
170FCP645*B#	45	57.5	30.0	45.0	52.5	-	1.2	15	12.0	5.3
170FCP645*C#	45	57.5	30.0	45.0	52.5	20.0	1.2	15	20.0	3.5
170FCP655*B#	55	57.5	35.0	50.0	52.5	-	1.2	15	12.0	4.3
170FCP655*C#	55	57.5	35.0	50.0	52.5	20.0	1.2	15	22.0	2.8
170FCP690*C#	90	57.5	42.5	56.0	52.5	20.0	1.2	15	22.0	3.5

Part Number	CAP μF	Dimension (mm)						du/dt v/μs	I _{rms} A	ESR mΩ
		L	T	H	P	P1	d			
Un 900Vdc										
190FCP610*B#	10	42.5	22.0	30.0	37.5	–	1.2	30	8.0	9.5
190FCP615*B#	15	42.5	28.0	37.0	37.5	–	1.2	30	11.0	6.5
190FCP615*C#	15	42.5	28.0	37.0	37.5	10.0	1.2	30	11.0	6.0
190FCP620*B#	20	42.5	30.0	45.0	37.5	–	1.2	30	12.0	5.0
190FCP620*C#	20	42.5	30.0	45.0	37.5	20.0	1.2	30	13.0	4.5
190FCP630*B#	30	42.5	30.0	45.0	37.5	–	1.2	20	12.0	6.3
190FCP630*C#	30	42.5	30.0	45.0	37.5	20.0	1.2	20	16.0	5.9
190FCP640*B#	40	57.5	35.0	50.0	52.5	–	1.2	20	12.0	4.9
190FCP640*C#	40	57.5	35.0	50.0	52.5	20.0	1.2	20	20.0	4.5
190FCP655*C#	55	57.5	42.5	56.0	52.5	20.0	1.2	20	22.0	3.1
190FCP660*C#	60	57.5	42.5	56.0	52.5	20.0	1.2	20	22.0	3.1
190FCP665*C#	65	57.5	42.5	56.0	52.5	20.0	1.2	20	22.0	3.1

Part Number	CAP μF	Dimension (mm)						du/dt v/μs	I _{rms} A	ESR mΩ
		L	T	H	P	P1	d			
Un 1100Vdc										
211FCP510*B#	1	31.0	13.0	22.0	27.5	–	0.8	40	2.5	18.0
211FCP520*B#	2	42.5	15.0	26.0	37.5	–	1.0	40	4.5	15.0
211FCP550*B#	5	42.5	22.0	30.0	37.5	–	1.2	40	6.0	13.0
211FCP610*B#	10	42.5	28.0	37.0	37.5	–	1.2	40	10.0	8.0
211FCP610*C#	10	42.5	28.0	37.0	37.5	10.0	1.2	40	10.0	7.5
211FCP615*B#	15	42.5	33.0	45.0	37.5	–	1.2	40	12.0	5.5
211FCP615*C#	15	42.5	33.0	45.0	37.5	20.0	1.2	40	13.0	5.0
211FCP622*B#	22	57.5	30.0	45.0	52.5	–	1.2	27	12.0	7.0
211FCP622*C#	22	57.5	30.0	45.0	52.5	20.0	1.2	27	14.0	6.5
211FCP625*B#	25	57.5	35.0	50.0	52.5	–	1.2	27	12.0	6.3
211FCP625*C#	25	57.5	35.0	50.0	52.5	20.0	1.2	27	16.0	6.0
211FCP640*C#	40	57.5	42.5	56.0	52.5	20.0	1.2	27	20.0	3.5
211FCP645*C#	45	57.5	42.5	56.0	52.5	20.0	1.2	27	20.0	3.5

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