

高压脉冲电容器

High Voltage Pulse Capacitor

MKMJ

特点与用途

- ◆ 金属外壳全密封干式结构；
- ◆ 电介质采用高温金属化聚丙烯薄膜；
- ◆ 具有自愈性，寿命长，可靠性高，能承受瞬间大电流冲击；
- ◆ 应用于脉冲功率系统储能电源，强磁场、LC振荡回路等场合。

Features & Applications

- ◆ Metal housing with fully sealed, dry type.
- ◆ High-temperature resistant metallized PP film as dielectric.
- ◆ Self-healing, long service life, high reliability and able to withstand the impacting of instantaneous high current.
- ◆ Applicable to pulse power system's energy storage, strong magnetic field, LC oscillation circuit and other occasions.

技术参数 Technical Parameter

引用标准 Norms reference	JB/T 8168-1999
工作温度 Working temperature	-25°C ~ +40°C
存储温度 Storage temperature	-25°C ~ +40°C
额定电压 Rated voltage	2kVdc ~ 50kVdc
电容量范围 Range of capacitance	2 μF ~ 8000 μF
电容量允许偏差 Allowable capacitance deviation	± 5%(J), ± 10%(K)
极间测试电压 Voltage test between terminals	1.1~1.5U _N (10s, 25°C ± 5°C)
极壳测试电压 Voltage test between terminals and case	($\sqrt{2}U_N + 1000$)Vac (10s, 50/60Hz, 25°C ± 5°C)

常用规格 Common Specification

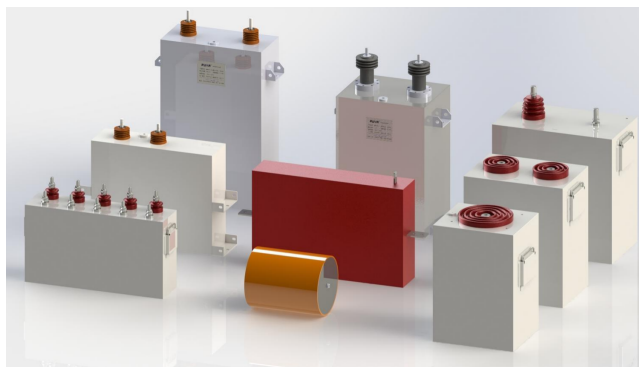
U _N (kVdc)	C (μF)	İ (kA)	V _{ro} (%)	L _T (n)	P _w (J/cm ³)	LXWXH (mm)	W (kg)	Part Number
3	200	3.5	30	1 × 10 ⁵	0.23	260 × 70 × 220	4	MKMJ3022006***
5.5	1000	10	30	1 × 10 ⁵	0.41	415 × 140 × 640	35	MKMJ5521007***
6	200	1	100	1 × 10 ⁵	0.48	406 × 305 × 725	85	MKMJ6022006***
10	100	4	80	1 × 10 ⁵	0.15	383 × 145 × 600	32	MKMJ1031006***
10	500	30	20	1 × 10 ³	1.63	278 × 187 × 295	20	MKMJ1035006**2
18	165	5	20	1 × 10 ⁵	0.45	385 × 260 × 590	55	MKMJ1831656***
20	70	10	20	5 × 10 ⁴	0.53	405 × 205 × 320	26	MKMJ2037005***
20	200	8	10	5 × 10 ⁴	0.47	420 × 260 × 780	88	MKMJ2032006***
25	20	2	10	1 × 10 ⁴	0.42	305 × 140 × 350	15	MKMJ2532005***
25	65	8	10	1 × 10 ⁴	0.98	320 × 135 × 480	20	MKMJ2536505***
25	110	10	10	1 × 10 ⁵	0.52	429 × 258 × 595	60	MKMJ2531106***
25	160	12	30	5 × 10 ⁴	0.54	510 × 260 × 700	85	MKMJ2531606***
30	130	13	10	2 × 10 ⁴	0.8	420 × 258 × 670	66	MKMJ3031306***
35	305	35	10	2 × 10 ⁴	0.82	515 × 480 × 920	210	MKMJ3533056***
50	20	8	10	2 × 10 ⁴	0.8	355 × 128 × 685	35	MKMJ5032005***

备注：

- 1、表中所列尺寸为公司常用规格尺寸，其他规格尺寸均可按照客户要求生产；
- 2、上述数据若有更改恕不另行通知；
- 3、产品认证可按照客户要求标识。

REMARKS

- 1, The listed dimension on the above chart is our common specifications, we can produce as customer's requests.
- 2, The datas are subject to change without notice.
- 3, The certificate marks can be printed on the product as customer's requests.



损耗角正切 Dissipation factor	≤ 2.0 × 10 ⁻³ (100Hz, 25°C ± 5°C)
最高使用海拔 Maximum application altitude	2000m
最大电极扭矩 Maximum terminal torque	8Nm12Nm16Nm
失效率 Loss of efficiency	50FIT
绝缘电阻 Insulation resistance	≥ 5000s(20°C, 100Vdc, 60s)
电极端子 Electrode terminal	M10*35M12*40M16*40
预期寿命 Expected service life	1000~10 0000次