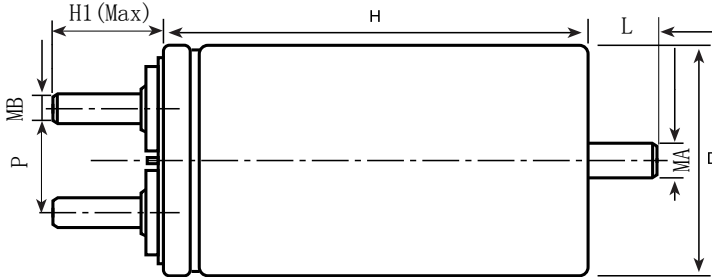




干式交流滤波电容器 AC filter capacitor (Dry-type)

■ 外形图 Outline Drawing



D	P ± 1.0	H1(Max)	MA	L ± 1.0
50	22.5	25	M8	10
55	22.5	25	M10	12
76	34	35	M12	16
86	34	35	M12	16

■ 特点

- 适用于电力电子设备、UPS电源中的交流滤波电路，能承受较高的纹波电流及峰值电流、电压
- 具有优良的自愈特性
- 高稳定性，可靠性
- 干式设计，安装方式更灵活

■ Features

- The capacitors particularly suit for AC filter circuit in power electric equipment and UPS power unit. They have ability to withstand high r.m.s current and high peak voltage.
- Self-healing property
- Excellent stable performance and reliability
- Dry type design, installation is more flexible

■ 技术要求 Specifications

引用标准 Reference standards	GB/T 17702 (IEC 61071)
额定均方根电压 Rated RMS Voltage (U_{rms})	300Vac, 500Vac
额定频率 Rated frequency (f_N)	50/60Hz
电容偏差值 Capacitance tolerance	± 5%, ± 10%
冲击电流 Inrush current (\hat{I}_s)	100
极间耐压 Test voltage between Terminals, (U_{T-T})	2.15 U_{rms} 或 1.5 U_N , 10s
极壳耐压 Test voltage between terminals to case, (U_{T-C})	3 000Vac, 10s
损耗角正切值 Dissipation factor ($tg \delta$) @ 50Hz	≤ 0.0010
气候类别 Climatic category	40/70/21
可运行温度范围 Operating temperature (θ_{hs})	-25°C ~ 70°C
贮存温度范围 Storage Temperature	-40°C ~ 85°C
防护等级 Degree of protection	P0
预期寿命 Life Expectancy	After 60 000 hours at U_{rms} 、50°C $\Delta C/C$ ≤ 5%
安装位置 Mounting position	任意方向 Any position
冷却方式 Cooling	自然空气或强制制冷 Naturally air-cooled or force cooled
最大电极扭矩 Max Torque of terminals	M6: 3Nm; M8; 5Nm; M10: 8Nm
最大安装扭矩 Max. Torque of installation	M8: 5Nm; M10: 7Nm; M12: 10Nm
最高海拔 Max Altitude	2 000m

AC filter capacitor

尺寸 Dimensions(mm)

U _N = 420Vac U _{rms} = 300Vac										
C _N (μF)	D ± 1.0 (mm)	H ± 3.0 (mm)	MB	R _s (mΩ)	R _{thhc} (°C/W)	I _{max} (A)	I _h (kA)	I _s (kA)	M (kg)	Part number
20	50	85	M6	22.0	14.2	8	0.1	0.2	0.2	
40	50	100	M6	17.3	10.4	11	0.2	0.4	0.2	
50	55	100	M6	13.8	9.6	11	0.2	0.5	0.3	
60	55	135	M6	24.8	8.3	11	0.3	0.6	0.3	
100	76	140	M10	9.7	6.2	14	1.0	3	0.9	
200	76	140	M6	4.8	6.3	28	2.0	6	0.9	
200	76	140	M10	4.8	6.3	28	2.0	6	0.9	
200	76	235	M10	4.9	3.7	42	6.0	18	1.4	

U _N = 700Vac U _{rms} = 500Vac										
C _N (μF)	D ± 1.0 (mm)	H ± 3.0 (mm)	MB	R _s (mΩ)	R _{thhc} (°C/W)	I _{max} (A)	I _h (kA)	I _s (kA)	M (kg)	Part number
10	50	85	M6	16.0	14.0	9	0.2	0.5	0.2	
20	50	100	M6	13.0	10.2	12	0.3	0.7	0.2	
30	55	135	M6	16.0	7.4	13	0.5	0.7	0.4	
50	76	130	M10	9.6	6.7	18	0.8	1.2	0.8	
80	76	185	M10	3.4	4.5	37	1.3	3.8	1.1	
100	76	235	M10	9.5	3.7	35	4.0	12	1.4	
133	86	235	M10	7.2	3.4	47	5.3	15.9	1.8	
150	86	235	M10	6.4	3.2	53	6.0	18	1.7	