

CBB20A/CBB20T(MPA/MPT) Plastic Capacitors



金属化聚丙烯膜轴向电容器 Metallized Polypropylene Film Capacitors-Axial

■采用标准

GB10190/IEC60384-16

■结构

介质: 聚丙烯膜

电极: 金属真空蒸发层

封装: PET胶带包裹,

两端用阻燃环氧树脂灌封

■典型应用

滤波及脉冲大电流场合, 如功放, 焊机 etc.

■特点

有良好自愈性; 高频损耗小, 温升低

抗高冲击强度, 高频交流条件下有良好的耐压性能

■reference standards

GB10190/IEC60384-16

■structure

Dielectric: Polypropylene film

Electrode: metal vacuum evaporation layer

Encapsulation: PET tape wrapped,

Encapsulated with inflame retardant epoxy resin.

■typical application

Filtering and large pulse current situation, such as power amplifier, welding machine etc.

■characteristics

Small volume with good self-healing property, low dissipation at high frequency, low temperature rise,

high dielectric strength. Good property to withstand voltage at high frequency in alternating current occasion

■性能参数property parameter

成品长度 Length of finished Product mm	16	21	31	35	41	45
引线直径 Pin Diameter mm	0.6	0.6/0.8	0.8			
dv/dt(V/μs)	450	400	200	100		

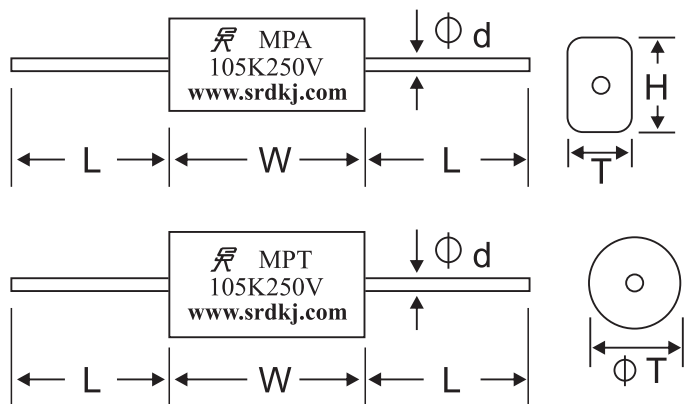
■符合ROHS标准 conform to ROHS standards

■技术参数 technical parameter

气候条件 Climatic Conditions	-40+85(105)°C/56d	
额定电压 Rated Voltage	250VDC; 400VDC; 630VDC	
容量误差 allowable tolerance	J- ± 5% K- ± 10% M- ± 20%	
容量范围 Capacitance Range	0.033 μF-18 μF	20°C; 1V测试电压 20°C; 1V testing voltage
耐电压 proof voltage	端子与端子 Terminal to terminal: 1.6UR; 5S 端子与外壳 Terminal to shell: 2000VAC 5S	无击穿或电弧 No breakdown or electric arcing
损耗角 Dissipation Factor	≤0.0010 1KHZ	20°C; 1V测试电压 20°C; 1V testing voltage
绝缘电阻或时间常数 Insulation resistance or time constant	CR ≤ 0.33 μF IR ≥ 25000MΩ CR > 0.33 μF IR ≥ 7500S(MΩ. μF)	UR ≤ 500V, 充电电压 charging voltage 100V UR > 500V, 充电电压 charging voltage 500V 20°C; 充电 1min 测试后测得 after charged 1min
稳态湿热 Steady-state damp heat	温度 temperature: 40 ± 2°C 湿度 humidity: 93%RH 持续时间 duration: 56天	无可见损伤, 标志清晰 no visible damage, clear mark IR: ≥ 额定值的 50% IR: ≥ 50% of rated value 电容量: ΔC/C ≤ 5% capacitance; ΔC/C ≤ 5% 损耗角(1KHZ): 增加 ≤ 0.0020 dissipation factor(1KHZ): rise ≤ 0.0020
耐久性试验 Endurance Test	+85(105)°C, 连续 1000 小时 施加电压: 1.25 × 额定电压 +85(105)°C, 1000h Applied voltage: 1.25 * rated voltage	绝缘电阻 IR: ≥ 额定值的 50% 电容量: ΔC/C ≤ 10% Insulation Resistance: ≥ 50% of Rated Capacitance: ΔC/C ≤ 10%

注: 可根据客户使用定制容量产品, 具体参数依据承认书资料为准。

Note: Products capacitance can be customized, specific parameter according to documents.



金属化聚丙烯膜轴向电容器

Metallized Polypropylene Film Capacitors-Axial

■规格尺寸表specification table

容量 Cap. μF	成品编码 Part No.	外形尺寸(mm) Dimention			容量 Cap. μF	成品编码 Part No.	外形尺寸(mm) Dimention		
		Wmax	Tmax	Hmax			Wmax	Tmax	Hmax
250VDC									
0.1	MPA104K2150610###**	15.0	6.0	10.0	0.82	MPA824K2250816###**	25.0	7.5	16.0
0.12	MPA124K2150610###**	15.0	6.0	10.0	1.0	MPA105K2250815###**	25.0	8.5	14.5
0.15	MPA154K2150610###**	15.0	6.0	10.0	1.5	MPA155K2251018###**	25.0	10.0	18.0
0.18	MPA184K2150610###**	15.0	6.5	10.5	1.8	MPA185K2251119###**	25.0	11.0	19.0
0.22	MPA224K2150712###**	15.0	7.0	11.5	2.2	MPA225K2251321###**	25.0	12.5	20.5
0.27	MPA274K2150813###**	15.0	8.0	12.5	2.2	MPA225K2321018###**	32.0	10.0	18.0
0.27	MPA274K2200510###**	20.0	5.5	9.5	2.7	MPA275K2321119###**	32.0	11.5	19.5
0.33	MPA334K2200610###**	20.0	6.0	10.5	3.3	MPA335K2321321###**	32.0	13.0	21.0
0.39	MPA394K2200711###**	20.0	7.0	11.0	3.9	MPA395K2321422###**	32.0	14.0	22.0
0.47	MPA474K2200812###**	20.0	7.5	11.5	4.7	MPA475K2321624###**	32.0	16.0	24.0
0.56	MPA564K2200813###**	20.0	8.0	13.0	5.6	MPA565K2351624###**	35.0	16.0	24.0
0.68	MPA684K2200815###**	20.0	8.5	14.5	6.8	MPA685K2351826###**	35.0	18.0	26.0
0.82	MPA824K2200916###**	20.0	9.5	16.0	8.2	MPA825K2352028###**	35.0	20.0	28.0
0.68	MPA684K2250613###**	25.0	6.5	13.0	10.0	MPA106K2352230###**	35.0	22.5	30.5
0.82	MPA824K2250714###**	25.0	7.5	13.5	12.0	MPA126K2352434###**	35.0	24.0	33.5
1.0	MPA105K2250815###**	25.0	8.5	14.5	15.0	MPA156K2452332###**	45.0	22.5	32.0
1.2	MPA125K2250917###**	25.0	8.5	16.5	18.0	MPA186K2452535###**	45.0	25.0	34.5
400VDC									
0.1	MPA104K4150610###**	15.0	5.5	9.5	1.5	MPA155K4251321###**	25.0	13.0	21.0
0.12	MPA124K4200408###**	20.0	4.5	8.5	1.8	MPA185K4321119###**	32.0	11.5	19.5
0.15	MPA154K4200509###**	20.0	5.0	9.0	2.2	MPA225K4321321###**	32.0	13.0	21.0
0.18	MPA184K4200509###**	20.0	5.5	9.5	2.7	MPA275K4351321###**	35.0	13.0	21.0
0.22	MPA224K4200610###**	20.0	6.5	10.5	3.3	MPA335K4351523###**	35.0	15.0	22.5
0.27	MPA274K4200712###**	20.0	7.0	11.5	3.9	MPA395K4351624###**	35.0	16.5	24.5
0.33	MPA334K4200813###**	20.0	8.0	12.5	4.7	MPA475K4351826###**	35.0	18.0	26.0
0.39	MPA394K4200913###**	20.0	8.5	13.5	5.6	MPA565K4352028###**	35.0	20.0	28.0
0.47	MPA474K4200915###**	20.0	9.0	15.5	6.8	MPA685K4352331###**	35.0	22.5	30.5
0.56	MPA564K4201016###**	20.0	10.0	16.5	8.2	MPA825K4352434###**	35.0	24.5	34.0
0.68	MPA684K4250815###**	25.0	8.5	15.0	10.0	MPA106K4502130###**	50.0	21.0	30.5
0.82	MPA824K4251016###**	25.0	10.0	16.0	12.0	MPA126K4502333###**	50.0	23.0	32.5
1.0	MPA105K4251017###**	25.0	10.5	16.5	15.0	MPA156K4502636###**	50.0	26.5	36.0
1.2	MPA125K4251119###**	25.0	11.5	19.5	18.0	MPA186K4502939###**	50.0	29.5	39.0
630VDC									
0.033	MPA333K6150610###**	15.0	5.5	9.5	0.56	MPA564K6251216###**	25.0	11.5	16.5
0.039	MPA393K6150610###**	15.0	6.0	10.0	0.68	MPA684K6251318###**	25.0	13.0	18.0
0.047	MPA473K6150711###**	15.0	7.0	11.0	0.82	MPA824K6251419###**	25.0	14.5	19.0
0.056	MPA563K6150812###**	15.0	7.5	11.5	1.0	MPA105K6321119###**	32.0	11.5	19.5
0.068	MPA683K6150610###**	15.0	5.5	9.5	1.2	MPA125K6321321###**	32.0	13.0	20.5
0.082	MPA823K6150610###**	15.0	6.0	10.0	1.5	MPA155K6321422###**	32.0	14.0	22.0
0.1	MPA104K6200610###**	20.0	6.5	10.5	1.8	MPA185K6321624###**	32.0	16.0	24.0
0.12	MPA124K6200610###**	20.0	6.0	10.0	2.2	MPA225K6321826###**	32.0	18.0	26.0

金属化聚丙烯膜轴向电容器

Metallized Polypropylene Film Capacitors-Axial

0.15	MPA154K6200711##**	20.0	7.0	11.0	2.7	MPA275K6351826##**	35.0	18.0	26.0
0.18	MPA184K6200812##**	20.0	7.5	11.5	3.0	MPA305K6351826##**	35.0	18.0	26.0
0.22	MPA224K6200913##**	20.0	8.5	12.5	4.7	MPA475K6551826##**	55.0	18.0	26.0
0.27	MPA274K6201014##**	20.0	10.0	14.5	6.8	MPA685K6552230##**	55.0	22.5	30.5
0.33	MPA334K6201116##**	20.0	11.0	16.0	8.2	MPA825K6552533##**	55.0	25.0	33.0
0.39	MPA394K6250914##**	25.0	9.5	14.5	10.0	MPA106K6552836##**	55.0	28.0	36.0
0.47	MPA474K6250915##**	25.0	10.5	15.5	12.0	MPA126K6553139##**	55.0	31.0	39.0

■ 轴向电容器圆形规格尺寸表 CBB20T(MPT)

容量 Cap. μ F	成品编码 Part No.	外形尺寸(mm) Dimention		容量 Cap. μ F	成品编码 Part No.	外形尺寸(mm) Dimention	
		Wmax	φ Max			Wmax	φ Max
250VDC							
0.068	MPT683K21506##**	15.0	6.0	1.0	MPT105K22512##**	25.0	12.0
0.082	MPT823K21507##**	15.0	6.5	1.2	MPT125K22513##**	25.0	13.0
0.1	MPT104K21507##**	15.0	7.0	1.5	MPT155K22514##**	25.0	14.5
0.12	MPT124K21508##**	15.0	7.5	1.8	MPT185K22516##**	25.0	15.5
0.15	MPT154K21508##**	15.0	8.5	2.2	MPT225K22517##**	25.0	17.0
0.18	MPT184K21509##**	15.0	9.0	2.2	MPT225K23214##**	32.0	14.5
0.22	MPT224K21510##**	15.0	10.0	2.7	MPT275K23216##**	32.0	16.0
0.27	MPT274K21511##**	15.0	10.5	3.3	MPT335K23217##**	32.0	17.5
0.27	MPT274K22008##**	20.0	8.0	3.9	MPT395K23219##**	32.0	19.0
0.33	MPT334K22009##**	20.0	9.0	4.7	MPT475K23221##**	32.0	20.5
0.39	MPT394K22009##**	20.0	9.5	5.6	MPT565K23521##**	35.0	20.5
0.47	MPT474K22010##**	20.0	10.5	6.8	MPT685K23523##**	35.0	22.5
0.56	MPT564K22011##**	20.0	11.0	8.2	MPT825K23525##**	35.0	25.0
0.68	MPT684K22012##**	20.0	12.0	10.0	MPT106K23527##**	35.0	27.0
0.82	MPT824K22013##**	20.0	13.0	12.0	MPT126K23530##**	35.0	30.0
0.68	MPT684K22510##**	25.0	10.0	15.0	MPT156K24528##**	45.0	28.5
0.82	MPT824K22511##**	25.0	11.0	18.0	MPT186K24531##**	45.0	31.0
400VDC							
0.047	MPT473K41506##**	15.0	6.0	1.0	MPT105K42514##**	25.0	14.0
0.056	MPT563K41506##**	15.0	6.5	1.2	MPT125K42515##**	25.0	15.5
0.068	MPT683K41507##**	15.0	7.0	1.5	MPT155K42517##**	25.0	17.0
0.082	MPT823K41508##**	15.0	7.5	1.8	MPT185K43216##**	32.0	16.0
0.1	MPT104K41508##**	15.0	8.0	2.2	MPT225K43218##**	32.0	17.5
0.12	MPT124K42007##**	20.0	7.0	2.7	MPT275K43518##**	35.0	18.0
0.15	MPT154K42008##**	20.0	7.5	3.3	MPT335K43519##**	35.0	19.0
0.18	MPT184K42008##**	20.0	8.0	3.9	MPT395K43521##**	35.0	20.5
0.22	MPT224K42009##**	20.0	9.0	4.7	MPT475K43523##**	35.0	23.0
0.27	MPT274K42010##**	20.0	10.0	5.6	MPT565K43525##**	35.0	25.0
0.33	MPT334K42011##**	20.0	10.5	6.8	MPT685K43527##**	35.0	27.5
0.39	MPT394K42012##**	20.0	11.5	8.2	MPT825K43530##**	35.0	30.0
0.47	MPT474K42013##**	20.0	12.5	10.0	MPT106K45026##**	50.0	26.5
0.56	MPT564K42014##**	20.0	13.5	12.0	MPT126K45029##**	50.0	29.0
0.68	MPT684K42512##**	25.0	12.0	18.0	MPT186K45033##**	50.0	33.0

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金属化聚丙烯膜轴向电容器
Metallized Polypropylene Film Capacitors-Axial

容量 Cap. μ F	成品编码 Part No.	外形尺寸(mm) Dimention		容量 Cap. μ F	成品编码 Part No.	外形尺寸(mm) Dimention	
		Wmax	φ Max			Wmax	φ Max
630VDC							
0.018	MPT183K61506###**	15.0	6.5	0.33	MPT334K62014###**	20.0	14.0
0.022	MPT223K61507###**	15.0	7.0	0.39	MPT394K62512###**	25.0	12.0
0.027	MPT273K61508###**	15.0	7.5	0.47	MPT474K62513###**	25.0	13.0
0.033	MPT333K61508###**	15.0	8.0	0.56	MPT564K62514###**	25.0	14.0
0.039	MPT393K61507###**	15.0	6.5	0.68	MPT684K62515###**	25.0	15.5
0.047	MPT473K61507###**	15.0	7.0	0.82	MPT824K62517###**	25.0	17.0
0.056	MPT563K61507###**	15.0	7.5	1.0	MPT105K63216###**	32.0	16.0
0.068	MPT683K61508###**	15.0	8.0	1.2	MPT125K63217###**	32.0	17.5
0.082	MPT823K61509###**	15.0	8.5	1.5	MPT155K63219###**	32.0	19.5
0.1	MPT104K62008###**	20.0	8.5	1.8	MPT185K63221###**	32.0	21.0
0.12	MPT124K62009###**	20.0	9.0	2.2	MPT225K63223###**	32.0	23.0
0.15	MPT154K62010###**	20.0	10.0	2.7	MPT275K63523###**	35.0	23.5
0.18	MPT184K62011###**	20.0	11.0	3.3	MPT335K63526###**	35.0	25.5
0.22	MPT224K62012###**	20.0	12.0	3.5	MPT355K64026###**	40.0	26.0
0.27	MPT274K62013###**	20.0	13.0	4.0	MPT405K64028###**	40.0	28.0