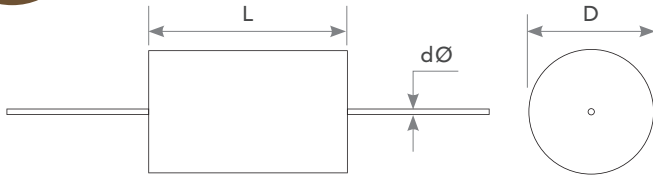


金属化聚丙烯薄膜电容器-轴向(MPT)

METALLIZED POLYPROPYLENE FILM CAPACITOR-AXIAL (MPT)



-  金属化聚丙烯薄膜
Metallized Polypropylene Film
-  金属喷涂层
Metal Spray Layer
-  连接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚丙烯薄膜
Dielectric: Metallized Polypropylene Film
- 绕卷: 无感式
Winding: non-inductive type
- 导线: 镀锡线
Leads: Tinned Wire
- 外部涂层: 绝缘胶带包裹, 环氧树脂填充
Outer Coating: Insulating tape wrapping and epoxy resin end filled

特点 Feature:

- 高频下低损耗
Low Dissipation Factor at high frequency
- 高稳定容量&损耗
High stability of capacitance & DF
- 良好的自愈性
Self-healing property
- 高绝缘阻抗
High insulation resistance

推荐应用 Recommended Application:

- 定时, 振荡器电路
Timing, Oscillator circuits
- 温度补偿电路
Temperature compensation circuits
- 电信和资料处理
Telecommunications and data processing
- 专业电子测试设备
Professional electronics testing equipment
- 工业仪器
Industrial instruments

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384-16					
额定电压 Rated Voltage	250VDC, 400VDC, 630VDC					
额定温度 Rated Temperature	-40°C ~ +85°C					
最大运行温度 Usable Upper Category Temperature	+110°C (Derating ratio of rated voltage to +85°C ~ +110°C: 1.5% per °C for Rated Voltage)					
容量范围 Capacitance Range	0.1μF ~ 10μF					
容量误差 Capacitance Tolerance	±3% (H), ±5% (J), ±10% (K)					
损耗角正切 Dissipation Factor	KHz	C ≤ 0.1μF	0.1 < C ≤ 1.0μF	1.0 < C ≤ 3.0μF	3.0 < C ≤ 5.0μF	5.0 < C ≤ 10μF
	1	≤ 0.10 %	≤ 0.10 %	≤ 0.10 %	≤ 0.10 %	≤ 0.10 %
	100	≤ 0.40 %	≤ 0.70 %	≤ 1.20 %	≤ 1.80 %	≤ 2.80 %

绝缘电阻 Insulation Resistance	Terminal to Terminal: (at 20°C± 5°C), Voltage charge time : 1 minute. Voltage charge : 100VDC. ≥ 30000MΩ for C ≤ 0.33μF, ≥ 10000MΩ×μF for C > 0.33μF					
耐压 Withstand Voltage	Terminal to Terminal: (at 20°C±5°C) 1.6 × V _R applied for 2sec. (cut off current 10mA)					
额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Length V _R	25 mm	27 mm	33 mm	38 mm	44 mm
	250VDC	6	5	3	2	2
	400VDC	8	7.5	5	4	3
	630VDC	14	12	7	5	4

Cap. (μF) | 标准单位 (Size unit): mm

R.V.	250VDC / 160VAC			
Size Cap (μF)	L	D	dØ ±0.05	料号 Part Number
0.68	25	12.5	0.8	MPT-684*0250DB0000
1.0	25	12.5	0.8	MPT-105*0250DB0000
1.5	33	15	0.8	MPT-155*0250DB0000
2.2	33	17	0.8	MPT-225*0250DB0000
3.3	33	19	0.8	MPT-335*0250DB0000
4.7	38	20.5	0.8	MPT-475*0250DB0000
6.8	44	23	0.8	MPT-685*0250DB0000
10	44	26	0.8	MPT-106*0250DB0000

R.V.	400VDC / 200VAC			
Size Cap (μF)	L	D	dØ ±0.05	料号 Part Number
0.33	27	11.5	0.8	MPT-334*0400DB0000
0.47	27	13	0.8	MPT-474*0400DB0000
0.68	33	14.5	0.8	MPT-684*0400DB0000
1.0	33	17.5	0.8	MPT-105*0400DB0000
1.5	33	20.5	0.8	MPT-155*0400DB0000
2.2	38	22	0.8	MPT-225*0400DB0000
3.3	44	26	0.8	MPT-335*0400DB0000

* 最大尺寸 Maximum dimensions (mm):
L max = L+0.5 , H max = H+0.5 , T max = T+0.5

R.V.	630VDC / 250VAC			
Size Cap (μF)	L	D	dØ ±0.05	料号 Part Number
0.1	27	11.5	0.8	MPT-104*0630DB0000
0.15	27	13	0.8	MPT-154*0630DB0000
0.22	33	13	0.8	MPT-224*0630DB0000
0.33	33	16	0.8	MPT-334*0630DB0000
0.47	33	18	0.8	MPT-474*0630DB0000
0.68	33	20	0.8	MPT-684*0630DB0000
1.0	38	21	0.8	MPT-105*0630DB0000
1.5	44	22	0.8	MPT-155*0630DB0000
2.2	44	27	0.8	MPT-225*0630DB0000