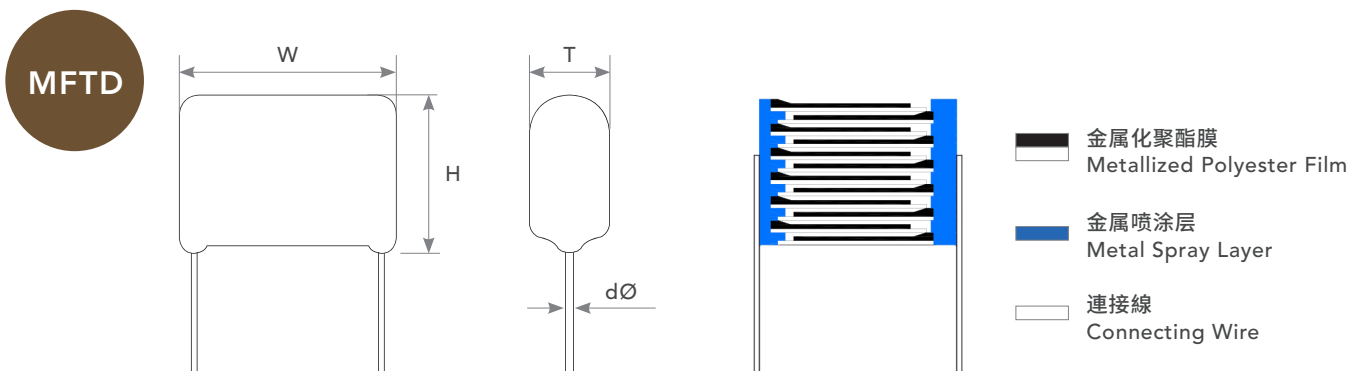


## 金属化聚酯薄膜电容器(MFTD) METALLIZED POLYESTER FILM CAPACITOR-RADIAL (MFTD)



### 结构 Construction:

- 电介质: 金属化聚酯薄膜  
Dielectric: Metallized Polyester Film
- 绕卷: 无感式  
Winding: non-inductive type
- 导线: 镀锡线  
Leads: Tinned Wire
- 外部涂层: 阻燃环氧树脂  
Outer Coating: Flame retarding epoxy resin

### 特点 Feature:

- 良好的自愈性  
Self-healing property
- 安全薄膜结构  
Safe-film construction
- 材料符合ROHS  
Materials conform to ROHS
- 小型化  
Ultra-miniature size

### 推荐应用 Recommended Application:

- 功率因素校正(PFC)使用  
Power factor correction(PFC) usage

### 电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384-2
额定电压 Rated Voltage	450VDC, 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	0.033 $\mu$ F ~ 3.3 $\mu$ F
容量误差 Capacitance Tolerance	$\pm$ 5% (J), $\pm$ 10% (K)
损耗角正切 Dissipation Factor	1.0 % (max.) at 1KHz   1.6 % (max.) at 10KHz
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at 20°C $\pm$ 5°C), Voltage charge: 100VDC $\times$ 1 minute $\geq$ 9000M $\Omega$ for C $\leq$ 0.33 $\mu$ F $\geq$ 3000M $\Omega$ $\times$ $\mu$ F for C > 0.33 $\mu$ F
耐压 Withstand Voltage	Terminal to Terminal: (at 20°C $\pm$ 5°C) 1.6 $\times$ V <sub>R</sub> 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)	Pitch V <sub>R</sub>	10 mm	15 mm	22.5 mm
	450VDC	110	45	20
	630VDC	160	65	30

Cap. (μF) | 标准单位 (Size unit): mm

R.V.	450VDC / 200VAC					
Size Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.047	12.5	8.5	4	10	0.6	MFTD473*0450DB*10*
0.068	12.5	8.5	4	10	0.6	MFTD683*0450DB*10*
0.1	12.5	8.5	4	10	0.6	MFTD104*0450DB*10*
0.15	12.5	9.5	4.5	10	0.6	MFTD154*0450DB*10*
0.22	12.5	12	6.5	10	0.6	MFTD224*0450DB*10*
0.33	12.5	12	6.5	10	0.6	MFTD334*0450DB*10*
0.47	12.5	15.5	6.5	10	0.6	MFTD474*0450DB*10*
0.68	12.5	17	8	10	0.6	MFTD684*0450DB*10*
1.0	12.5	19	10	10	0.6	MFTD105*0450DB*10*
1.5	13	22.5	12.5	10	0.6	MFTD155*0450DB*10*
0.1	18	11	5	15	0.8	MFTD104*0450DB*15*
0.22	18	11	5	15	0.8	MFTD224*0450DB*15*
0.33	18	11	5	15	0.8	MFTD334*0450DB*15*
0.47	18	13	5.5	15	0.8	MFTD474*0450DB*15*
0.68	18	15.5	5.5	15	0.8	MFTD684*0450DB*15*
1.0	18	17	7.5	15	0.8	MFTD105*0450DB*15*
1.5	18	18.5	8.5	15	0.8	MFTD155*0450DB*15*
1.0	26	16	7	22.5	0.8	MFTD105*0450DB*22*
1.5	26	17.5	7	22.5	0.8	MFTD155*0450DB*22*
2.2	26	19	9	22.5	0.8	MFTD225*0450DB*22*
3.3	26	23.5	13	22.5	0.8	MFTD335*0450DB*22*

R.V.	630VDC / 220VAC					
Size Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.033	12.5	10.5	4.5	10	0.6	MFTD333*0630DB*10*
0.047	12.5	13	5	10	0.6	MFTD473*0630DB*10*
0.068	13	13	6	10	0.6	MFTD683*0630DB*10*
0.1	12.5	16	6	10	0.6	MFTD104*0630DB*10*
0.047	18	11	5	15	0.8	MFTD473*0630DB*15*
0.068	18	11	5	15	0.8	MFTD683*0630DB*15*
0.1	18	11	5	15	0.8	MFTD104*0630DB*15*
0.22	18	14	7	15	0.8	MFTD224*0630DB*15*
0.33	18	15.5	8	15	0.8	MFTD334*0630DB*15*
0.47	18	17.5	9	15	0.8	MFTD474*0630DB*15*
0.68	26	17.5	8.5	22.5	0.8	MFTD684*0630DB*22*
1.0	26	20.5	9.5	22.5	0.8	MFTD105*0630DB*22*
1.5	26	23	12.5	22.5	0.8	MFTD155*0630DB*22*
2.2	26	26	16	22.5	0.8	MFTD225*0630DB*22*

\* 最大尺寸 Maximum dimensions (mm): W max = W+0.2