

MEF Series 金屬化聚酯膜電容器（含浸型）(MPE)

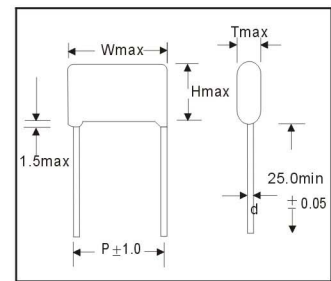
結構 CONSTRUCTION

MEF are non-inductively wound with metallized Polyester film as dielectric/enectrode with copper-clad steel leads with epoxy resin coating. They are suitable for blocking, filtering, by-pass, coupling, decoupling and timing circuits with application in telecommunication, data processing, industrial instruments and automatic control system equipments.

聚酯介質，真空蒸金屬電極，鍍錫導線經向點焊于電容器兩端面金屬層，環氧樹脂包封。



外型圖 OUTLINE DRAWING



特點 FEATURE

- Non-inductive construction
- Self-healing
- High reliable and superior performance in high frequency application
- 無感型結構，自愈型，高頻應用中具高可靠性及優良特點

用途 APPLICATION

- Filter and noise suppression circuit · Pulse logic and timing circuit
 - DC-blocking, by-passing and signal coupling in general communication equipment.
- 濾波及噪音抑制回路脈衝、邏輯、定時回路通訊設備中之直流減振，旁路及信號偶合

技術要求 SPECIFICATIONS

引用標準 Reference Standard	IEC 384-2 GRADE I ; GB7335				
溫度範圍 Temperature Range	-40℃~+85℃(From 85℃ up to 105℃ with derating voltage 1.25% /℃, 85℃ 至 105℃ 間按1.25% /℃ 遞減電壓)				
容量誤差Capacitance Tolerance	M= ±20%	K=± 10%	J=±5%	H=±3.5%	G=±2%
散逸因素 (損耗角正切) Dissipation Factor (Tangent of Loss)	C≤1.0 μ F	DF≤0.80%			
	C>1.0 μ F	DF≤1.0% (at20℃, 1KHz)			
耐電壓 Voltage Proof	1.6* UR (1minute at20℃)				
絕緣電阻 Insulation Resistance	C≤0.33 μ F	IR≥15,000M Ω (1minute at20℃			
	C>0.33 μ F	IR*C≥5,000 Ω F and RH≤65%)			
耐久性 Endurance	1000hours with 125% of rated voltage at 85℃ after the test 85℃ 條件下, 125%之額定電壓1000小時, 試驗完成後 △C/C≤5% △(DF)≤0.20% △C≤0.33 μ F; IR≥7500M Ω ; C>0.33 μ F; IR*C≥2500 Ω F(20℃ 1KHz)				

尺寸 (Dimensions)

單位: Unit: mm

CAPACITANCE		100VDC					250VDC					400VDC					630VDC					1000VDC				
SYMBOL	μ F	W	H	T	P	d	W	H	T	P	d	W	H	T	P	d	W	H	T	P	d	W	H	T	P	d
102~822	0.001~0.0082	130	100	5.5	10.0	0.6	130	100	5.5	10.0	0.6	130	100	5.5	10.0	0.6	130	105	6.0	10.0	0.6	130	105	6.5	10.0	0.6
103	0.010	130	100	5.5	10.0	0.6	130	100	5.5	10.0	0.6	130	100	5.5	10.0	0.6	130	105	6.0	10.0	0.6	130	105	6.5	10.0	0.6
153	0.015	130	100	5.5	10.0	0.6	130	100	5.5	10.0	0.6	130	100	5.5	10.0	0.6	130	105	6.0	10.0	0.6	130	110	7.0	10.0	0.6
223	0.022	130	100	5.5	10.0	0.6	130	100	5.5	10.0	0.6	130	100	5.5	10.0	0.6	130	105	6.0	10.0	0.6	130	120	8.0	10.0	0.8
333	0.033	130	100	5.5	10.0	0.6	130	100	5.5	10.0	0.6	130	110	6.5	10.0	0.6	13/18	12/10	7.0	10/15	0.6	180	130	8.0	15.0	0.8
473	0.047	130	100	5.5	10.0	0.6	130	100	5.5	10.0	0.6	130	115	7.0	10.0	0.6	13/18	12/11	8/7	10/15	0.8	180	165	10.5	15.0	0.8
683	0.068	130	100	5.5	10.0	0.6	130	100	5.5	10.0	0.6	130	125	7.5	10.0	0.6	180	120	8.0	15.0	0.8	180	175	12.0	15.0	0.8
104	0.10	130	155	5.5	10.0	0.6	130	120	5.5	10.0	0.6	13/18	12.5	7.5	10/15	0.8	180	140	9.5	15.0	0.8	180	210	14.0	15.0	0.8
154	0.15	130	125	8.0	10.0	0.6	130	125	6.5	10.0	0.6	180	140	8.0	15.0	0.8	180	150	9.5	15.0	0.8					
224	0.22	130	125	8.0	10.0	0.6	130	135	7.5	10.0	0.6	180	150	9.0	15.0	0.8	24/18	15/17	9/10	20/15	0.8					
334	0.33	130	130	8.5	10.0	0.6	13/18	14.0	8.0	10/15	0.8	180	165	10.0	15.0	0.8	240	180	12.0	20/22.5	0.8					
474	0.47	13/18	130	8.5	10/15	0.6	180	160	9.5	15.0	0.8	24/18	17.5	11.0	20/15	0.8	30/24	22.5	12.5	27.5/22.5	0.8					
684	0.68	13/18	135	8.5	10/15	0.8	180	140	9.5	15.0	0.8	240	190	12.0	20/22.5	0.8	30/24	23.5	14.0	27.5/22.5	0.8					
105	1.0	13/18	160	9.5	10/15	0.8	18/24	180	10.5	15/20	0.8	30/24	21.5	12.0	27.5/22.5	0.8	300	25.5	15.5	27.5	0.8					
155	1.5	24/18	195	12.0	20/15	0.8	240	200	11.5	20.0	0.8	300	240	14.0	27.5	0.8	300	27.0	16.0	27.5	0.8					
225	2.2	240	210	13.0	20.0	0.8	24/30	230	16.0	20/27.5	0.8	300	260	16.0	27.5	0.8	300	290	19.0	27.5	0.8					
335	3.3	240	220	13.0	20.0	0.8	300	240	16.0	27.5	0.8	300	290	19.0	27.5	0.8										
475	4.7	310	225	14.0	27.5	0.8	300	240	16.0	27.5	0.8															
685	6.8	310	235	15.5	27.5	0.8	300	280	21.0	27.5	0.8															
106	10	310	255	20.0	27.5	0.8	300	300	22.0	27.5	0.8															

可依需求制作特殊規格 (SPECIAL SIZE OR ITEMS ON REQUEST)