

USM Series 金屬化聚酯薄膜電容器(超小型化)P:5mm

外型圖 OUTLINE DRAWING

結構 CONSTRUCTION

USM are non-inductively wound with metallized Polyester film as dielectric/enctrode 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.

聚酯膜介質，真空蒸金屬電極，經向鍍錫導線點焊于電容器兩端面金屬層，環氧樹脂封裝。

特點 FEATURE

- Small size can be compared favourably with the stack film capacitor.
- Excellent self-healing and high reliability.
- Non-inductive Construction.
- Space saving miniature size.

體積小，可與疊片式電容相比。

良好自愈及可靠性。

無感型結構。

尺寸小，節省空間。

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% /℃ 處減電壓)	
靜電容量誤差 Capacitance Tolerance	K=± 10%	J=± 5%
散逸因素 (損耗角正切) Dissipation Factor (Tangent of Loss)	≤0.80% (at 20℃, 1KHz)	
耐電壓 Voltage Proof	1.6* UR (1 minute at 20℃)	
絕緣電阻 Insulation Resistance	C≤0.33μF IR≥9,000MΩ C>0.33μF IR*C≥3,000ΩF (1 minute at 20℃ and RH≤65%)	
耐久性 Endurance	500 hours with 125% of rated voltage at 85℃ after the test 85℃ 條件下，125% 之額定電壓 500 小時，試驗完成後 ΔC/C≤5% Δ(DF)≤0.20%; C 0.33 F; IR 4500MΩ; C>0.33μF; IR*C≥1500ΩF (20℃ 1KHz)	

尺寸 (Dimensions)

單位: Unit:mm

容量 CAPACITANCE 符號 SYMBOL	μ F	50/63VDC					100VDC					250VDC					400VDC					630VDC				
		W	H	T	P	φ	W	H	T	P	φ	W	H	T	P	φ	W	H	T	P	φ	W	H	T	P	φ
102	0.0010	7.0	6.5	4.0	5	0.5	7.0	6.5	4.0	5	0.5	7.0	7.5	4.0	5	0.5	7.0	8	5	5	0.5	7.0	8.0	5	5	0.5
152	0.0015	7.0	6.5	4.0	5	0.5	7.0	6.5	4.0	5	0.5	7.0	7.5	4.0	5	0.5	7.0	8	5	5	0.5	7.0	8.0	5	5	0.5
222	0.0022	7.0	6.5	4.0	5	0.5	7.0	6.5	4.0	5	0.5	7.0	7.5	4.0	5	0.5	7.0	8	5	5	0.5	7.0	8.0	5	5	0.5
332	0.0033	7.0	6.5	4.0	5	0.5	7.0	6.5	4.0	5	0.5	7.0	7.5	4.0	5	0.5	7.0	8	5	5	0.5	7.0	8.0	6	5	0.5
472	0.0047	7.0	6.5	4.0	5	0.5	7.0	6.5	4.0	5	0.5	7.0	7.5	4.0	5	0.5	7.0	8	5	5	0.5	7.0	9	6	5	0.5
682	0.0068	7.0	6.5	4.0	5	0.5	7.0	6.5	4.0	5	0.5	7.0	7.5	4.0	5	0.5	7.0	8	5.5	5	0.5	7.0	10	6	5	0.5
103	0.010	7.0	6.5	4.0	5	0.5	7.0	6.5	4.0	5	0.5	7.0	7.5	4.0	5	0.5	7.0	8	5.5	5	0.5	7.0	10	7	5	0.5
153	0.015	7.0	6.5	4.0	5	0.5	7.0	6.5	4.0	5	0.5	7.0	8.0	4.0	5	0.5	7.0	9	5.5	5	0.5	7.0	12	7	5	0.5
223	0.022	7.0	6.5	4.0	5	0.5	7.0	6.5	4.0	5	0.5	7.0	8.0	4.0	5	0.5	7.0	10	5.5	5	0.5					
333	0.033	7.0	6.5	4.0	5	0.5	7.0	6.5	4.0	5	0.5	7.0	8.5	4.5	5	0.5	7.0	10	5.5	5	0.5					
473	0.047	7.0	6.5	4.0	5	0.5	7.0	6.5	4.0	5	0.5	7.0	9.0	5	5	0.5	7.0	11	6.0	5	0.5					
683	0.068	7.0	6.5	4.0	5	0.5	7.0	6.5	4.0	5	0.5	7.0	10	5.5	5	0.5	7.0	12	6.5	5	0.5					
104	0.10	7.0	6.5	4.0	5	0.5	7.0	6.5	4.0	5	0.5	7.0	10	6.5	5	0.5	7.0	13	6.5	5	0.5					
154	0.15	7.0	7.0	4.0	5	0.5	7.0	7.5	4.0	5	0.5	7.0	11	7.0	5	0.5										
224	0.22	7.0	7.5	4.0	5	0.5	7.0	8.0	4.5	5	0.5	7.0	12	7.0	5	0.5										
334	0.33	7.0	7.5	4.5	5	0.5	7.0	9.0	4.5	5	0.5															
474	0.47	7.0	9.0	5.0	5	0.5	7.0	9.0	5.0	5	0.5															
684	0.68	7.0	9.0	5.5	5	0.5	7.0	10	5.5	5	0.5															
105	1.00	7.0	9.0	6.0	5	0.5	7.0	11	6.0	5	0.5															
155	1.50	7.0	10	6.0	5	0.5																				
225	2.20	7.0	12	6.5	5	0.5																				

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