

METALLIZED CAPACITORS

METALLIZED POLYESTER FILM CAPACITORS (AXIAL AND TUBULAR)

CL20-1

Series 金屬化聚酯膜電容器(管型)

結構 CONSTRUCTION

Polyester film dielectric with vacuum-evaporated metal electrodes, axial leads of tinned wire are electrically welded to the contact metal layer on the ends of capacitor winding out wrapped with Mylar tape and ends sealed with epoxy resin.

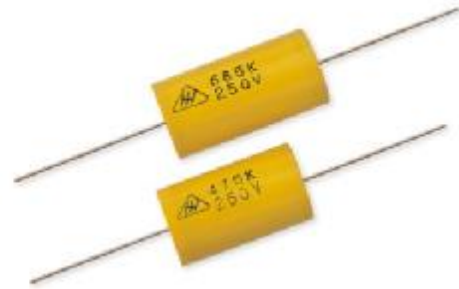
聚酯膜介質、真空蒸金屬電極、軸向錫導線點焊於電容器兩端面金屬層、瑪拉膠帶包封、環氧樹脂包封。

特點 FEATURE

Non-inductive construction
Self-healing
High property moisture resistance
High capacitance value available and compact size
無感型結構
自愈型
高耐濕特性
可獲得高容量且尺寸緊湊

用途 APPLICATION

Coupling decoupling by-passing and timing circuit.
Automatic control system, communication equipment,
Charging/discharging lighting noise suppression and frequency modulation.
耦合、離合、旁路及定時回路。
自動控制系統及通訊設備。
充放電、照明、噪音抑制及頻率調制。



技術要求 SPECIFICATIONS

引用標準 Reference Standard	IEC60384-2
溫度範圍 Temperature Range	-40°C ~ +85°C (From 85°C up to 105°C with derating voltage 1.25%/°C 85°C 至 105°C 降壓 1.25%/°C 溫度電壓)
靜電容量誤差 Capacitance Tolerance	K=±10%, J=±5%
損失角(損耗角正切) Dissipation Factor (Tangent of Loss)	< 1.0%(20°C, 1kHz)
耐電壓 Voltage Proof	1.5U _r (5s)
絕緣電阻 Insulation Resistance	> 7500MΩ CR < 0.33μF > 2500s CR > 0.33μF (20°C, 1min)
耐久性 Endurance	1000hours with 125% of rated voltage at 85°C after the test: 85°C 條件下, 125% 之額定電壓 1000 小時。試驗完成後 ΔC/C < 5% Δ(DF) < 0.20% ΔC > 0.33μF; 1R > 7500MΩ; C > 0.33μF; IR * C > 2500ΩF (20°C, 1kHz)

尺寸 DIMENSION

單位 Unit:mm

CAPACITANCE	SYMBOL	μF	100VDC			250VDC			400VDC			630VDC		
			OD	L	da	OD	L	da	OD	L	da	OD	L	da
103	0.010	5.0	16.0	0.6	5.0	16.0	0.6	5.0	16.0	0.6	5.5	16.0	0.6	
153	0.015	5.0	16.0	0.6	5.0	16.0	0.6	5.0	16.0	0.6	6.0	16.0	0.6	
223	0.022	5.0	16.0	0.6	5.0	16.0	0.6	5.0	16.0	0.6	7.0	16.0	0.6	
333	0.033	5.0	16.0	0.6	5.0	16.0	0.6	5.0	16.0	0.6	8.0	16.0	0.6	
473	0.047	5.0	16.0	0.6	5.0	16.0	0.6	5.0	16.0	0.6	9.0	16.0	0.6	
683	0.068	5.0	16.0	0.6	5.0	16.0	0.6	5.0	16.0	0.6	9.0	21.0	0.8	
104	0.10	5.0	16.0	0.6	5.0	16.0	0.6	8.0	21.0	0.8	10.0	21.0	0.8	
154	0.15	5.0	16.0	0.6	5.5	16.0	0.6	9.0	21.0	0.8	11.0	26.0	0.8	
224	0.22	5.0	16.0	0.6	8.5	16.0	0.6	9.5	21.0	0.8	13.0	26.0	0.8	
334	0.33	8.0	16.0	0.6	8.0	21.0	0.6	10.0	26.0	0.8	14.0	31.0	0.8	
474	0.47	8.5	16.0	0.6	9.0	21.0	0.6	12.0	26.0	0.8	15.0	31.0	0.8	
684	0.68	8.5	21.0	0.6	9.0	26.0	0.6	12.5	31.0	0.8	16.5	31.0	0.8	
105	1.0	10.0	21.0	0.6	11.0	26.0	0.6	15.0	31.0	0.8	20.5	31.0	0.8	
155	1.5	10.5	26.0	0.6	12.0	26.0	0.6	18.0	31.0	0.8				
225	2.2	11.0	26.0	0.6	13.5	31.0	0.8							
335	3.3	14.0	26.0	0.6	16.5	31.0	0.8							
475	4.7	15.0	31.0	0.6	19.0	31.0	0.8							
685	6.8	17.5	31.0	0.8	20.0	36.0	0.8							
106	10	20.0	31.0	0.8	19.0	46.0	0.8							
156	15	22.0	31.0	0.8	22.0	46.0	0.8							
226	22	25.0	31.0	0.8										
336	33	28.0	31.0	0.8										

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

