



製品規範及性能 / Specification and Performance

依據標準 Standards	IEC 60871; CNS 1372, 3739; JIS C 4902
產品認證 Quality approval	正字標記認證 (台正字第2846號) CNS mark (No. 2846)
工廠認證 Factory approval	ISO 9001(2008年版) 認證 ISO 9001:2008 certified TAF ISO 17025測試實驗室認證 TAF ISO 17025 Testing Laboratory Certified
電介質 Dielectric	聚丙烯塑膠膜 Polypropylene film
絕緣油 Insulation oil	非PCB絕緣油 Non-PCB fluid
頻率 Frequency	60Hz
容量誤差 Tolerance	-5% / +10%
周圍溫度 Ambient temperature	-25°C / A [+40°C] ,mean 30°C / day, mean 20°C / year -25°C / B [+45°C] ,mean 35°C / day, mean 25°C / year -25°C / C [+50°C] ,mean 40°C / day, mean 30°C / year -25°C / D [+55°C] ,mean 45°C / day, mean 35°C / year
最大容許過電壓 Maximum permissible voltage	額定電壓110% (24小時平均值下) 110% of rated voltage 額定電壓115% (24小時中30分鐘以內) (average voltage in every 24 hrs) 額定電壓120% (5分鐘最多200次) 115% of rated voltage (30 min in every 24 hrs) 額定電壓130% (1分鐘最多200次) 120% of rated voltage (5 min / max. 200 times) 130% of rated voltage (1 min / max. 200 times)
最大容許過電流 Maximum permissible current	額定電流135% 135% of rated current
損失率 Dissipation factor	小於0.05% 或 0.5W / kVAR Less than 0.05% or 0.5W / kVAR
溫升 Temperature rise	周溫低於35°C時，溫升25°C以下 below 25°C at ambient temperature 35°C
密閉性 Sealing	80°C恆溫槽中4小時加熱，電容器外表無漏油痕跡 No oil leaking after heating at 80°C for 4hrs
絕緣電阻(T-C) Insulation resistance	1000MΩ以上 above 1000MΩ
放電特性 Discharge character	內裝放電電阻，電容器切離電源5分鐘後其殘留電壓降至50V以下 With built-in discharge resistor, residual voltage drops to lower than 50V after capacitor is disconnected from power for 5 minutes.
保安性 Safety	內附熔絲(選用品)：內部每一電容器元件裝有個別熔絲保護 Internal Fuses (Optional)： Each internal capacitor element has individual fuse protection.
端子間耐電壓 Test voltage between terminals	額定電壓×2VAC，施加10秒 Rated voltage x 2 Vac, 10 second.
端子與外殼間耐電壓 Test voltage between terminals and case	依額定電壓不同，試驗值依標準規定值實施 Depend on rated voltage, test value is according to the requirements of standards.
衝擊電壓(BIL) Impulse voltage (BIL)	依額定電壓不同，試驗值依標準規定值實施 Depend on rated voltage, test value is according to the requirements of standards.

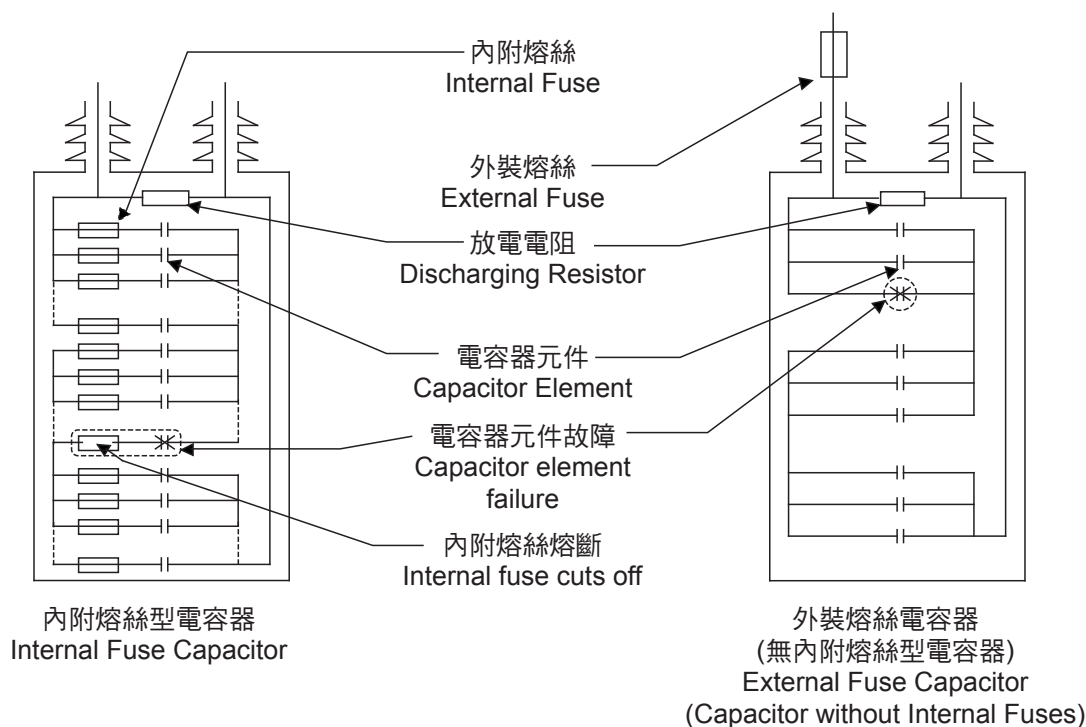
特點 / Features

1. 可選購內附熔絲型或標準型(無熔絲)。
 2. 電力損失小，溫升高，壽命長。
 3. 靜電容量穩定，受溫度變化之影響極小。
 4. 真空含浸高絕緣強度之非PCB生物可分解絕緣油。
 5. 內附熔絲型電容器安全性高、信賴性佳、安裝需求空間小、節省安裝及維護成本。
1. Internal fuse types or standard type (fuseless) available upon request.
 2. Low dissipation factor, low temperature rise, long service life.
 3. Stable capacitance with little variation due to temperature.
 4. Impregnated with high insulation strength and non-PCB biodegradable fluid in vacuum tank.
 5. Internal fuse capacitor mainly has more safety, higher reliability, less installation space, lower installation and maintenance costs.

型式說明 / Type Formation

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 1 2 3 4 5 6 7 8 9

1. 裕昌牌	1. Yuhchang brand
2. 高壓電容器	2. High voltage power capacitors
3. 介質為聚丙烯膜	3. Dielectric is polypropylene film
4. 頻率：A為60Hz, B為50Hz	4. Frequency: A is 60Hz, B is 50Hz
5. 額定電壓 /100	5. Rated voltage /100
6. 額定容量以kvar為單位	6. Unit of capacity in kvar
7. 額定容量kvar值	7. Value of kvar capacity
8. 相數：S為單相, T為三相	8. Phase: S is single phase, T is three phases
9. F：內附熔絲型	9. F: Internal fuse type
未用：標準型(無熔絲)	Blank: Standard type (Fuseless)





內附熔絲型電容器與外裝熔絲電容器比較表

Summarized comparisons between internal fuse type and external fuse type capacitors

項目 Items	內附熔絲型電容器 Internal fuse capacitors	外裝熔絲型電容器 External fuse capacitors
安裝空間需求 Installation space	小 Smaller	大 Larger
小單元電容器故障後繼續使用性 Continuous usability after fuse cuts off	佳 Excellent	低 Low
熔絲熔斷無效電力損失 Reactive power loss after fuse cuts off	低 Low	高 High
熔絲保護性 Fuse safety	佳 Excellent	較差 Poor
熔絲誤動作機率 Possibility of spurious fuse operation	低 Low	高 High
外殼爆裂可能性 Case breakdown possibility	低 Low	高 High
不平衡保護的困難度 Unbalance protection difficulty	低 Low	高 High
備用電容器的需求 Need for spare capacitors	低 Low	高 High
維修成本 Servicing and maintenance	低 Low	高 Higher

外形圖 / Outline Drawing

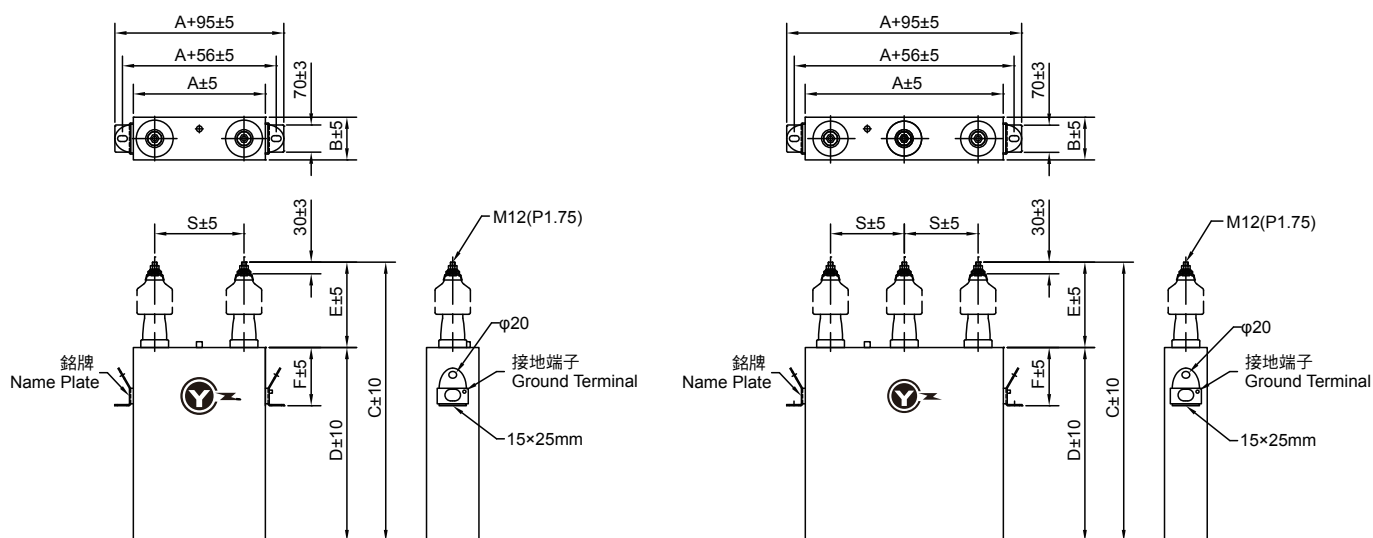


Fig. 1 (圖一)

Fig. 2 (圖二)