

# 钽質電容器

## SOLID TANTALUM CAPACITORS

### 產品簡介 FEATURES

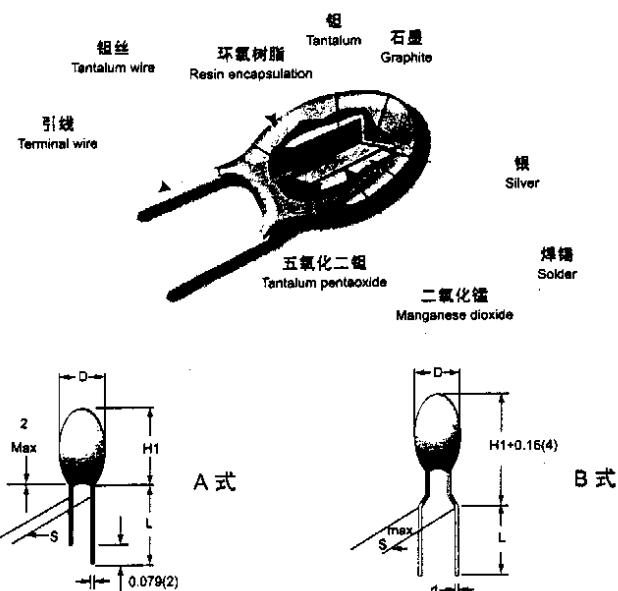
本產品採用進口的優質的防潮、阻燃性環氧樹脂粉包封和激光打印技術，具有體積小、漏電流和介質損耗小、頻率及溫度特性好、壽命長、可靠性高、穩定性好。尤其在很寬的溫度範圍和長時間工作與擺置，亦能保證很穩定的技術性能。適用於尖端軍事設備、電腦、汽車、通訊、高檔家用電器，其他電子設備。本產品執行國際電工委員會 IEC 384-15-3 技術規範，質量符合 GB7215-87

Small units with high stable performance, lower current leakage & dissipation factor, stable frequency and temperature and long life. Suitable for military equipment, computer, telephone and other electronic products.

### 容量範圍、殼號（字母代表殼號）

Capacitance range, Case sizes (letters stand for case sizes)

容量(μF) (Capacitance (μF))	額定直流電壓(Rated direct current voltage)								
	3V	4V	6.3V	10V	16V	20V	25V	35V	50V
0.1								A	A
0.15								A	A
0.22								A	A
0.33								A	A
0.47								A	A
0.68								A	A
1				A	A	A	A	B	
1.5				A	A	A	A	C	
2.2			A	A	A	A	B	C	
3.3		A	A	A	B	B	B	D	
4.7	A	A	A	A	B	B	B	C	D
6.8	A	A	A	B	B	C	C	D	E
10	A	A	B	B	B	C	C	D	E
15	A	A	B	C	C	D	D	E	F
22	B	B	C	C	C	D	D	E	F
33	B	B	C	D	D	E	E	F	
47	C	C	D	D	D	E	E	F	
68	D	D	D	D	E	F	F		
100	D	D	E	E	E	F	F		
150	D	E	E	E	F				
220	E	E	E	F					
330	E	F	F						
470	F								
680	F								



### 殼型尺寸 DIMENSIONS IN MILLIMETERS (單位mm)

殼號 CASE SIZE	D(max)	H(max)	H(±0.5mm)	d
A	4.0	6	2.5	0.5
B	4.8	7.2	2.5	0.5
C	5.5	8	2.5	0.5
D	6.0	9.4	2.5	0.5
E	7.2	11.5	2.5	0.5
F	8.2	12.5	2.5	0.5

### 性能 PERFORMANCE CHARACTERISTICS

- 高可靠性、長壽命 (1000~2000 小時)  
High reliability and long life (1000~2000hours)
- 小體積  
Miniature in Size
- 使用溫度範圍 : -55~+125°C (大于+85°C, 以降額電壓使用)  
Operating temperature : -55~+125°C  
(with voltage derating at greater than +85°C)
- 額定電壓 : 3V 4V 6.3V 10V 16V 20V 25V 35V 50V DC  
Rated DC voltage: 3V 4V 6.3V 10V 16V 20V 25V 35V 50V
- 低漏流  $I_o \leq 0.02C_r V_r$  或  $1\mu A$  (取較大者) (20°C時)  
Low DC leakage current:  $I_o \leq 0.02C_r V_r$  or  $1\mu A$ , whichever is greater  
(at 20°C)
- 低損耗 :  
Low dissipation factor:
- 寬容量範圍 : 0.1μF~680μF  
Broad capacitance range: 0.1μF~680μF

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### 特性參數 CHARACTERISTICS PARAMETERS

(所有數據在 20°C 下測量)  
(all data measured at 20°C)

容量範圍 0.1-680μF  
Capacitance Range 0.1-680μF

容量偏差 ±20% ±10% ±5% (特殊訂購)  
Capacitance Tolerance ±20% ±10% ±5% (Special order)

溫度範圍 -55°C~+125°C

Temperature -55°C~+125°C

氣候類別 55/125/10  
Climatic category 55/125/10

壽命試驗 2000 小時  
Life test 2000 hours

### 溫度特性 TEMPERATURE PERFORMANCE

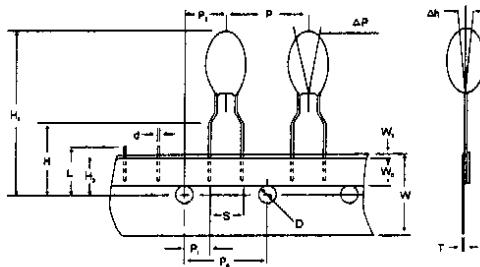
額定電壓 (VR) ≤ +85°C Rated Voltage (VR) ≤ +85°C	3	4	6.3	10	16	20	25	35	50
降額電壓 (VC) ≤ +125°C Derated voltage (VC) ≤ +125°C	2	2.5	4	6.3	10	13	16	20	32
浪涌電壓 (VS) ≤ +85°C ≤ +125°C Surge voltage ≤ +85°C ≤ +125°C	4	5.2	8	13	20	26	33	46	65

容量 (μF) Cap.Tol(%) (μF)	容量變化 (%) Cap.Tol(%)			損耗最大值 (%) Max D.F(%)			漏電最大值 Max DCL(μA)			
	-55°C	+85°C	+125°C	-55°C	+20°C	+85°C	+125°C	+20°C	+85°C	+125°C
≤1.0				4	2	4	6	1.40±0.02 2.5V AC 10A DC ( whichever is greater)	10I <sub>o</sub>	12.5I <sub>o</sub>
1.5~6.8				6	4	6	8			
10~68	±10	±15	±25	8	8	8	10			
100~680				10	8	10	12			

### 包裝 PACKAGING

per Specification IEC286-2

- B: 袋裝(bulk)
- T: 盒式編帶(Reel)
- A: 彈匣式編帶(Ammo)
- (符合IEC286-2標準)



符號 Symbol	尺寸 Dimensions(mm)	符號 Symbol	尺寸 Dimensions(mm)
P	12.7 ± 1.0	D	4.0±0.3
P <sub>1</sub>	12.7 ± 0.3	T	0.5±0.2
	+1	Δh	0±2
W <sub>1</sub>	18 -0.5	L	11max
W <sub>2</sub>	5min	H	16±0.5
H <sub>1</sub>	9 -0.5	S	2.5±0.5 5±0.7
H <sub>2</sub>	0 +1	P <sub>1</sub>	5.10±0.5 3.85±0.7
H <sub>3</sub>	0 -0	P <sub>2</sub>	8.35±0.4
ΔP	32.5max	H <sub>2</sub>	18 +2 -0
	±1.3max	d	0.5±0.05

### 技術參數 TECHNICAL PARAMETER

