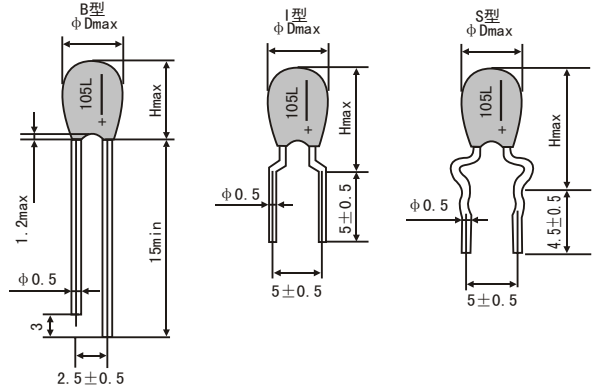


■ CA42型 固体电解质固定钽电容器
SOLID TANTALUM ELECTROLYTIC CAPACITORS

● CA42 产品简介
CA42 SOLID TANTALUM ELECTROLYTIC CAPACITORS

- 树脂包封，径向引线引出高性能品
- 适用于彩电、计算机、军用民用仪器、仪表以及其它电子类产品
- 产品符合国际 Gb7215-87
- Resin - coated, High performance to standard for general.
- For color television, computer, military & consumer instrument and other industrial electronic products applications.
- The products meet the requirements of GB7215-87

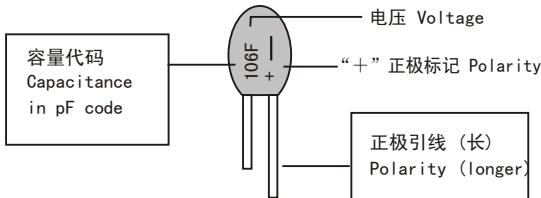
● 产品尺寸 DIMENSIONS



● 产品尺寸表 DIMENSIONS

(mm)

Case code	Dmax	Form B	Form I	Form S
		Hmax	Hmax	Hmax
A	3.5	6.0	9.3	10.0
B	3.8	6.5	9.8	10.5
C	4.4	7.5	10.5	11.5
D	4.8	8.5	11.5	12.5
E	5.2	9.5	12.5	13.5
F	6.0	10.5	13.5	14.5



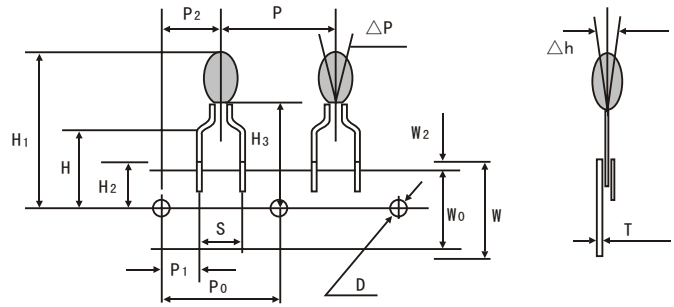
● 外形尺寸、额定电压、浪涌电压、降额电压及标称容量

STANDARD SIZE, RATED VOLTAGE, SURGE VOLTAGE AT 85°C AND DERATED VOLTAGE AT 125°C AS SHOWN

额定电压 Rated voltage (V)		4	6.3	10	16	25	35	50
		0G	0J	1A	10	1E	1V	1H
浪涌电压 85°C Surge voltage (V)		5.2	8	13	20	32	46	65
降额电压 125°C Derated voltage (V)		2.5	4	6.3	10	16	22	32
Cap (μF)	Code	Case code						
0.1	104						A	A
0.15	154						A	A
0.22	224						A	A
0.33	334						A	A
0.47	474						A	B
0.68	684				A	A	A、B	B、C
1	105				A	A	B	C
1.5	155				A	B	B、C	D
2.2	225				A	B	C	D
3.3	335			A	A、B	C	C、D	D、E
4.7	475		A	A	A、B	C	C、D	F
6.8	685		A	A、B	B、C	D	E、F	
10	106	A	A、B	B	B、C	D	F	
15	156	A、B	B	B、C	C、D	E		
22	226	B	B、C	C	C、D	F		
33	336	B、C	C	C、D	D、E			
47	476	C	C、D	D、E	E			
68	686	C、D	D、E	E、F	F			
100	107	D、E	E、F	F	F			
150	157	E、	F	F				
220	227	F	F					
330	337	F						
Rated Voltage Code		C	D	E	F	H	L	50

CA42产品特性表
SPECIFICATIONS

项目 Item	主要特性 Performance Characteristics	
使用温度范围 Operating Temperature Range	-55℃~+125℃ (>85℃时, 施加类别电压使用) -55℃~+125℃ (max.operating temperature at rated voltage shall be up to 85℃)	
标称容量允许偏差 Capacitance Tolerance	±20%(M), ±10%(K) at 120Hz +25℃	
损耗角正切值 (tg δ) Dissipation Factor	测试频率120Hz Test frequency 120Hz 0.1 - 1 μF 4%Max. 1.5 - 6.8 μF 6%Max. 10 - 68 μF 8%Max. 100 μF- 10%Max.	
漏电流 Leakage current	施加额定电压1分钟: I ≤ 0.01CrUr (μA) 或 0.5 μA (取较大者) 25℃ After 1 minute's application of rated voltage, leakage current at 25℃ is not more than 0.01 CrUr (μA) or 0.5 μA, whichever is greater.	施加额定电压1分钟: I ≤ 0.01CrUr (μA) 或 5 μA (取较大者) 85℃ After 1 minute's application of rated voltage, leakage current at 85℃ is not more than 0.1 CrUr (μA) or 5 μA, whichever is greater.
标称容量随温度变化 Capacitance Change by Temperature	+15%Max. (+125℃) +12%Max. (+85℃) -12%Max. (-55℃)	
浪涌电压 Surge Voltage	在85℃环境中, 电容器接33Ω电阻, 加上浪涌电压, 以30秒开, 30秒关为一个周期, 共经1000个周期实验后, 电容器的性能符合下列要求: After application of Surge Voltage in series with a 33Ω resistor at the rate voltage of 30 seconds ON, 30 seconds OFF, for 1000 successive test cycles at 85℃, capacitors meet the characteristics requirements listed below.	
	容量变化 Capacitance Change	初始值的±10%以内 Within ±10% of initial value
	损耗角正切值 Dissipation Factor	不大于初始规定值 Initial specified value or less
	漏电流 Leakgae Current	不大于初始规定值 Initial specified value or less
耐焊接热 Resistance to Soldering Heat	将电容器端子线浸入270±5℃的锡液中距至本体2~2.5mm, 经3±0.5秒后, 电容器的性能符合下列要求: After immersing the bottom parts of capacitor bodies by 2~2.5mm in a solder pot at 270±5℃ for 3±0.5 seconds	
	容量变化 Capacitance Change	初始值的±3%以内 Within ±3% of initial value
	损耗角正切值 Dissipation Factor	不大于初始规定值 Initial specified value or less
	漏电流 Leakgae Current	不大于初始规定值 Initial specified value or less
耐湿性 Humidity Resistance	在40℃, 相对湿度为90~95% R.H., 经过500小时后(不充电), 电容器的性能符合下列要求: At 40℃, 90~95% R.H., For 500hours (No voltage applied). The capacitors meet the requirement listed below:	
	容量变化 Capacitance Change	初始值的±12%以内 Within ±12% of initial value
	损耗角正切值 Dissipation Factor	不大于初始规定值 Initial specified value or less
	漏电流 Leakgae Current	不大于初始规定值 Initial specified value or less
高温负荷特性 Load Life	电容器接上3Ω电阻, 在+85℃和+125℃环境中施加额定工作电压1000小时后, 电容器的性能符合下列要求: After 1000 hour's application of rated voltage in series with a 3Ω resistor at 85℃ or derated voltage at 125℃, capacitance meet the characteristics requirements listed below.	
	容量变化 Capacitance Change	初始值的±10%以内 Within ±10% of initial value
	损耗角正切值 Dissipation Factor	不大于初始规定值 Initial specified value or less
	漏电流 Leakgae Current	不大于初始规定值的1.25倍 1.25 times Initial specified value or less



● 编带尺寸 TAPING DIMENSIONS

Item	Size	
P	12.7±1.0	
P0	12.7±0.3	
W	18 ⁺¹ _{-0.5}	
W0	12±0.5	
H2	9±0.5	
W2	1.0max	
H1	32.5max	
ΔP	±1.3max	
D	4.0±0.2	
T	0.5±0.2	
Δh	2.0max	
H	16±0.5	
S	2.5±0.5	5±0.7
P1	5.10±0.5	3.85±0.7
P2	6.35±0.4	
H3	18 ⁺² ₋₀	

● 特性曲线图 CHARACTERISTICS CURVE

