

# CA72 型无极性固体电解质钽电容器

## CA72 Series Non-polar Solid Electrolyte Tantalum Capacitor

### 产品简介:

该产品系径向引出式, 无极性固体电解质钽电容器, 适用于极性变换的直流或脉动电路中。执行标准 SJ1510-79。



### 主要技术性能:

- 使用温度范围:  $-55^{\circ}\text{C}\sim+85^{\circ}\text{C}$
- 工作电压范围:  $6.3\text{V}\sim 63\text{V}$
- 电容量范围:  $0.22\sim 220\mu\text{F}$
- 电容量允许偏差:  $\pm 10\%$ ,  $\pm 20\%$
- 漏电流 (uA):  $+20^{\circ}\text{C}$  时  
 A 组  $I_0\leq 0.08C_R U_R$  (小于  $1.5\mu\text{A}$  时按  $1.5\mu\text{A}$  计);  
 B 组  $I_0\leq 0.04C_R U_R$  (小于  $1\mu\text{A}$  时按  $1\mu\text{A}$  计)。
- 损耗角正切  $\text{tg } \delta_o(\%)$ : 在  $+20^{\circ}\text{C}$   $100\text{Hz}$  时  
 标称电容量:  $C_R < 47\mu\text{F}$  时:  $\text{tg } \delta_o \leq 10\%$   
 标称电容量:  $C_R \geq 47\mu\text{F}$  时:  $\text{tg } \delta_o \leq 15\%$
- 外形尺寸、额定电压、标称电容量: 见图 1、表 I

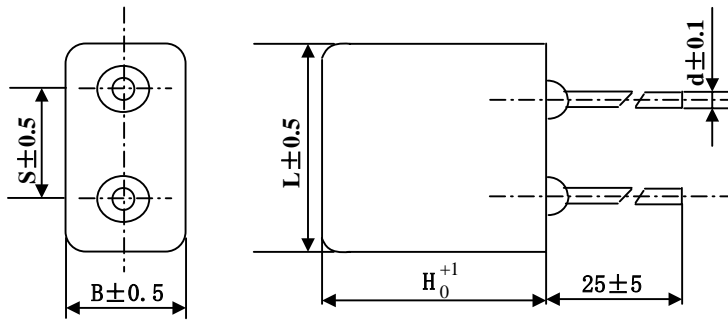


图 1 Figure 1

### 外形尺寸、最大重量、标称电容量对应表

Dimensions Max. Weight and Nominal Capacitance

### Brief Introduction:

CA72 Series non-polar Solid tantalum electrolytic capacitors with radial leads, are suitable for DC or pulse circuits where polarity conversion is required. CA72 Series meets the requirements of Chinese Electronic Industry Standard SJ1510-79.

### Features:

- Operating Temperature Range:  $-55^{\circ}\text{C}\sim+85^{\circ}\text{C}$
- Working Voltage Range:  $6.3\text{V}\sim 63\text{V}$
- Capacitance Range:  $0.22\sim 220\mu\text{F}$
- Capacitance Tolerance:  $\pm 10\%$ ,  $\pm 20\%$
- DC Leakage (uA) at  $20^{\circ}\text{C}$   
 Class A  $I_0\leq 0.08C_R U_R$  (The value less than  $1.5\mu\text{A}$  is counted as  $1.5\mu\text{A}$ )  
 Class B  $I_0\leq 0.04C_R U_R$  (The value less than  $1\mu\text{A}$  is counted as  $1\mu\text{A}$ ) .
- Dissipation Factor  $\text{tg } \delta_o(\%)$  at  $20^{\circ}\text{C}$ ,  $100\text{Hz}$ :  
 For nominal capacitance  $C_R < 47\mu\text{F}$ ,  $\text{tg } \delta_o \leq 10\%$ ;  
 For nominal capacitance  $C_R \geq 47\mu\text{F}$ ,  $\text{tg } \delta_o \leq 15\%$ .
- Dimensions, Rated Voltage and Nominal Capacitance: See Figure1 and Table1.

表 I table 1

额定直流工作电压 (V) Rated DC. Voltage $U_R$ (V)					6.3	10	16	25	32	40	63
壳号 Case Size	外形尺寸 Dimensions (B×L×H) (mm)	引线直径 Lead Dia. d(mm)	引线距离 Lead Pitch. S(mm)	最大重量 Max. Weight (g)	标称电容量 $C_R$ Nominal Capacitance $C_R$ (uF)						
1	3.5×6.5×9.5	0.4	2.5	1.6	3.3	2.2	1.5	1.0	0.68	0.68	0.22
					4.7	3.3	2.2	1.5	1.0	1.0	0.33
2	5.6×11×16	0.6	5.0	6.5	6.8	4.7	3.3	2.2	1.5	1.5	0.47
					10	6.8	4.7	3.3	2.2	2.2	0.68
					15	10	6.8	4.7	3.3	3.3	1.0
					22	15	10	6.8	4.7	4.7	1.5
					33	22	15	10	6.8		2.2
3	8.2×16×18	0.8	8.0	16	47	33	22	15	10	6.8	3.3
					68	47	33	22	15	10	4.7
4	8.2×16×22	0.8	8.0	25	100	68	47	33	22	15	6.8
					150	100	68	47	33	22	10

注: 如有特殊要求与生产厂协商。

Note: For special order, please consult with the manufacturer (NXRE)