

CA72 Non-polar Solid Tantalum Electrolytic Capacitor

HUASING

CA72无极性固态钽电解电容器

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： $0.22\mu\text{F} \sim 150\mu\text{F}$
- 电容量允许偏差： $\pm 10\%$, $\pm 20\%$
- 漏电流 (μA) : 20°C 时
A组 $I_0 \leq 0.08 C_R U_R$ (小于 $1.5\mu\text{A}$ 时按 $1.5\mu\text{A}$ 计)
B组 $I_0 \leq 0.04 C_R U_R$ (小于 $1\mu\text{A}$ 时按 $1\mu\text{A}$ 计)。
- 损耗角正切 $\text{tg} \delta_0$ (%) : 在 20°C , 100Hz 时:
标称电容量 $C_R < 47\mu\text{F}$ 时: $\text{tg} \delta_0 \leq 10\%$
标称电容量 $C_R \geq 47\mu\text{F}$ 时: $\text{tg} \delta_0 \leq 15\%$
- 外形尺寸、额定电压、标称电容量: 见图1、表1

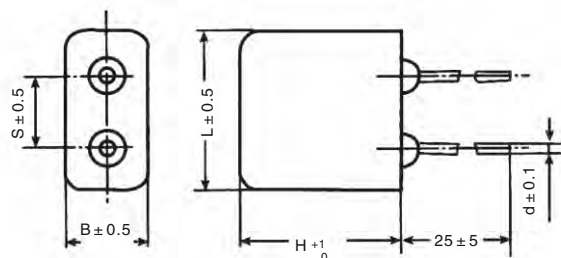
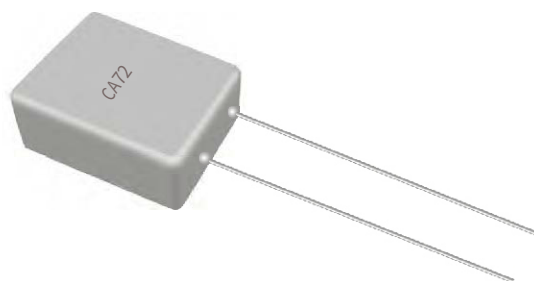


图1 Figure1



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 SJ1501-79.

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 : $0.22 \sim 150\mu\text{F}$
- Capacitance Tolerance : $\pm 10\%$, $\pm 20\%$
- DC leakage (μA) at 20°C
Class A $I_0 \leq 0.08 C_R U_R$ (The value less than $1.5\mu\text{A}$ is counted as $1.5\mu\text{A}$)
Class B $I_0 \leq 0.04 C_R U_R$ (The value less than $1\mu\text{A}$ is counted as $1\mu\text{A}$)
- Dissipation Factor $\text{tg} \delta$ (%) at 20°C 100Hz
For nominal capacitance $C_R < 47\mu\text{F}$, $\text{tg} \delta_0 \leq 10\%$
For nominal capacitance $C_R \geq 47\mu\text{F}$, $\text{tg} \delta_0 \leq 15\%$
- Dimensions , Rated Voltage and Nominal capacitance : See Figure 1 and Table 1.

表1 Dimensions, Max, Weight and Nominal Capacitance 外形尺寸 最大重量 标称电容量对应表

额定直流工作电压 (V) Rated DC.Voltage U_R (v)					6.3	10	16	25	32	40	63
类别电压 U_C (V)					4.0	6.3	10	16	20	25	40
浪涌电压 U_S (V)					8	13	20	32	42	50	80
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 (μF)						
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	2.5	100	68	47	33	22	15	6.8
					150	100	68	47	33	22	10
					220	150	100	68			

注如有特殊要求与生产厂协商。Note:For special order,please consult with the manufacturer(NXRE)

注:以上所提供的性能参数仅供参考作用,任何修改不作预先通知。如果在使用上有疑问,请在采购前与我们联系,以便提供技术上的协助。
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