

CA72型无极性固体电解质钽电容器



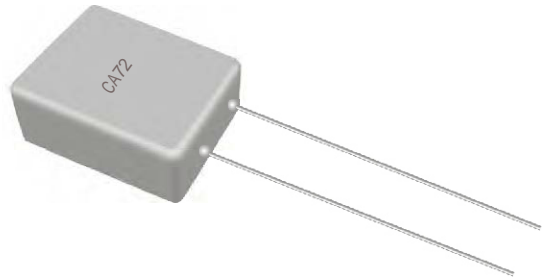
CA 72 Series Non-polar Solid Electrolyte Tantalum Capacitor

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℃ ~ +85℃。
- 工作电压范围： 6.3V ~ 63V
- 电容量范围： 0.22 μF ~ 150 μF
- 电容量允许偏差： ±10%， ±20%
- 漏电流 (μA) : 20℃时
 A组 $I_0 \leq 0.08 C_R U_R$ (小于1.5 μA时按1.5 μA计)
 B组 $I_0 \leq 0.04 C_R U_R$ (小于1 μA时按1 μA计)。
- 损耗角正切 $\text{tg } \delta_0$ (%) : 在20℃, 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



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℃~+85℃
- Working Voltage Range : 6.3V ~63V
- Capacitance Range : 0.22~150 μF
- Capacitance Tolerance : ± 10%, ± 20%
- DC leakage (μA) at 20℃
 Class A $I_0 \leq 0.08 C_R U_R$ (The value less than 1.5 μA is counted as 1.5 μA)
 Class B $I_0 \leq 0.04 C_R U_R$ (The value less than 1 μA is counted as 1 μA)
- Dissipation Factor $\text{tg } \delta$ (%) at 20℃ 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.

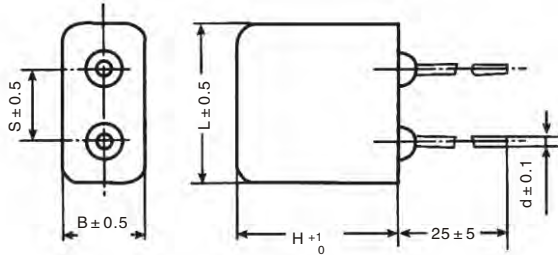


图1 Figure 1

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

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 Pich 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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