CA72A Series Bipolar Solid Electrolytic Tantalum Capacitor

Executive Standard: Q/MM10-2001

Characteristics and Application

●Metal case encapsulation, Hermitically-sealed, Rectangular, Radial-leaded,Bipolar capacitor;
●Excellent in electrical performances,High stabilization and reliability, Low DF&DCL,Long life-span;
●Applicable to DC&Pulse current of communications-equipments and instruments which have polarity change.

Main Features

●Operating Temperature Range:-55ºC~+125ºC（＞85ºC with rated voltage derating）
●Rated Voltage, Derating Voltage, Nominal Capacitance: See table 1
●Capacitance tolerance:K：±10%; M：±20%
●DC leakage At+25ºC: $I_0 \leq 0.02 C_R U_R$ (μA) or 1μA（which is greater）
●Dissipation Factors (tgδ) at 25°C: Not exceed the parameter in table 2
●Temperature Characteristics: Not exceed the parameter in table 2
●Dimensions and Max Weight: See figure 1 and table 1

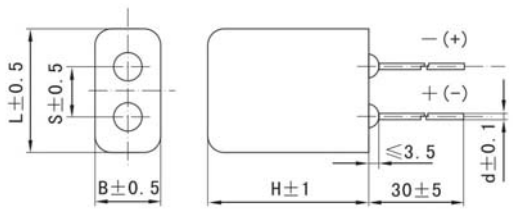

Figure 1

Table1 Rated Voltage, Derating Voltage, Nominal Capacitance, Dimensions and Max Weight

Rated Voltage U_R(V)						6.3	10	16	25	32	40
Derating Voltage U_C(V)						4	6.3	10	16	20	25
Dimensions (mm)					Max Weight (g)	Nominal Capacitance C_R (μF)					
L	B	H	d	S							
7	4	8	0.4	3	1.6	3.3	1.0 1.5 2.2	1.0 1.5	0.1 0.15 0.22 0.33 0.47 0.68 1.0	0.1 0.15 0.22 0.33 0.47 0.68	0.1 0.15 0.22 0.33 0.47 0.68
11	6	12	0.6	5	6.5	4.7 6.8 10 15 22 33	3.3 4.7 6.8 10 15 22	2.2 3.3 4.7 6.8 10 15 22	1.5 2.2 3.3 4.7 6.8 10	1.0 1.5 2.2 3.3 4.7 6.8	1.0 1.5 2.2 3.3 4.7
16.5	8.6	16	0.8	7.5	16	47 68	33 47	33 47	15 22 33	10	6.8
16.5	8.6	22	0.8	7.5	25	100 150	68 100	68			

Table 2 Temperature Characteristics

Nominal Capacitance C_R（μF）	Range of Capacitance (%)			Max					
				tgδ(%)				DCL (μA)	
	-55℃	85℃	125℃	25℃	-55℃	85℃	125℃	85℃	125℃
0.1~6.8	±8	±10	±10	6	6			8Ⅰ。	10Ⅰ。
10~47				8	8				
68~150				10	10				