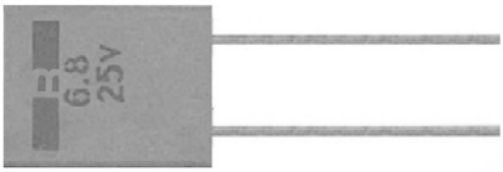
CA721 Series Bipolar Molded Solid Electrolytic Tantalum Capacitor

Executive Standard: GJB1520-92 and Q/MM20008-2001

Characteristics and Application

- ●Molded encapsulation, Good sealing performance, Rectangular, Radial-leaded,Small in size,Light in weight Bipolar capacitor;
- ●Excellent in electrical performances,High stabilization and reliability,Long life-span, Stable in storage performance,Low DCL at high temperature;
- ●Appling in Weapons,Electronics,Telecommunications,such High Density Assebled and Miniaturized Electrical Equipments with DC&Impulse Circuit which have polarity change for Military and Civil use.
- ●Ordering information:CA721-156K010;800 pcs.



Main Features

- ●Operating Temperature Range:-55ºC~+125ºC（＞85ºC with rated voltage derating）
- ●Rated Voltage, Derating Voltage, Nominal Capacitance,Max Weight: 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 25ºC: Not exceed the parameter in table 2
- ●Temperature Characteristics: Not exceed the parameter in table 2
- ●Dimensions: See figure 1 and table 1

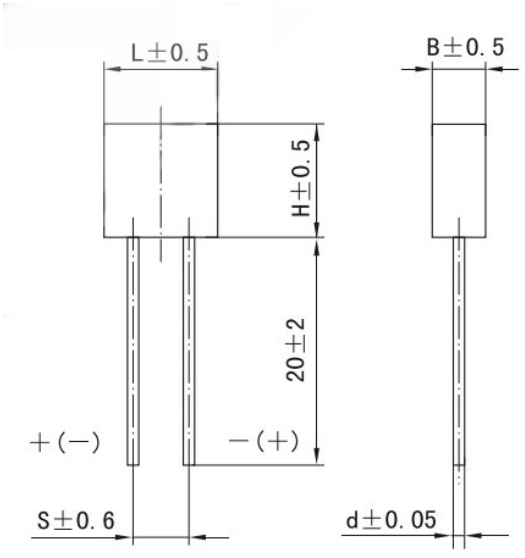


Figure 1

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

Rated Voltage U_R(V)							4	6.3 (6)	10	16 (15)	25	35 (32)	40
Derating Voltage U_C(V)							2.5	4	6.3	10	16	20	25
Dimensions (mm)						Max Weight (g)	Nominal Capacitance C_R (μF)						
Case Code	H	L	B	S	d								
1	5.7	4.7	1.9	2.54	0.4	0.6	2.2 3.3	1.5 2.2	1.0 1.5	0.68 1.0	0.33 0.47	0.22 0.33	0.10 0.15
2	7.4	5.6	2.8	2.54	0.5	0.8	4.7 6.8	3.3 4.7	2.2 3.3	1.5 2.2	0.68 1.0 1.5	0.47 0.68 1.0	0.22 0.33 0.47
3	7.9	5.8	3.3	2.54	0.5	1	10 15 22	6.8 10 15	4.7 6.8 10	3.3 4.7 6.8	2.2 3.3 4.7	1.5 2.2	0.68 1.0
4	12.1	9.5	3.8	5.08	0.5	2	33 47 68	22 33 47	15 22 33	10 15 22	6.8 10 15	3.3 4.7 6.8	1.5 2.2 3.3

Table 2 Temperature Characteristics

Nominal Capacitance C_R（μF)	Range of Capacitance (%)			Max					
				tgδ(%)				DCL (μA)	
	-55℃	85℃	125℃	-55℃	25℃	85℃	125℃	85℃	125℃
≤1.0	±10	±10	±12	6	4	6		8Ⅰ。	10Ⅰ。
1.5~3.3				8	6	8			
4.7~68				10	8	10			

P.S. : 1) Capacitance and DF measured at :100Hz,$U_{\_\_}$=2.2°$_{-1.0}$V，U~=1.0°$_{-0.5}$V.

2) When testing the DCL of Capacitors at 125℃,only derating voltage applied.