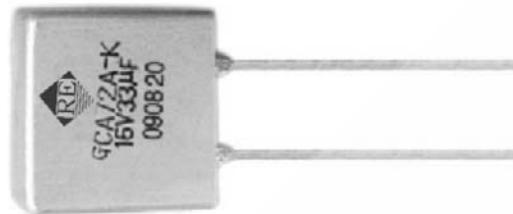


GCA72A Series Bipolar Solid Electrolytic Tantalum Capacitor
Executive Standard: QZJ840628 and Q/MM10-2001

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, Requirements of routine tests are higher than the technical stipulations of seven-special parts QZJ840628;
- Applicable to Weapons, Electronics, Telecommunications,such Electrical Equipments with DC&Impulse Circuit which have polarity change for Military and Civil use.



Main Features

- Operating Temperature Range:-55°C~+125°C (>85°C with rated voltage derating)
- Rated Voltage, Derating Voltage, Nominal Capacitance: See table 1
- Capacitance tolerance:K: ±10%; M: ±20%
- DC leakage At+25°C: $I_0 \leq 0.02C_R U_R$ (μA) or $1\mu A$ (which is greater)
- Dissipation Factors ($tg\delta$) 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

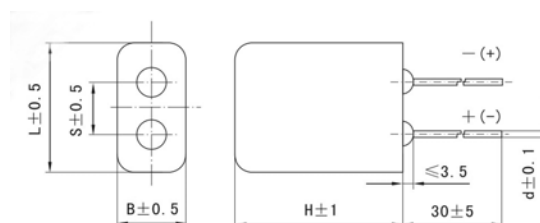


Figure 1

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 (μ F)					
Case Code	L	B	H	d	S							
1	7	4	8	0.4	3	1.6	3.3	1.0	1.0	0.1	0.1	0.1
							4.7	1.5	1.5	0.15	0.15	0.15
								2.2		0.22	0.22	0.22
								3.3		0.33	0.33	0.33
										0.47	0.47	0.47
										0.68	0.68	0.68
2	11	6	12	0.6	5	6.5	6.8	4.7	2.2	1.5	1.0	1.0
							10	6.8	3.3	2.2	1.5	1.5
							15	10	4.7	3.3	2.2	2.2
							22	15	6.8	4.7	3.3	3.3
							33	22	10	6.8	4.7	4.7
									15	10	6.8	
3	16.5	8.6	16	0.8	7.5	16	47	33	33	15	10	6.8
							68	47	47	22	15	10
										33		
4	16.5	8.6	22	0.8	7.5	25	100	68	68	47	22	15
							150	100				

Table 2 Temperature Characteristics

Nominal Capacitance C_R (μ F)	Range of Capacitance (%)			Max					
				tg δ (%)				DCL (μ A)	
	-55°C	85°C	125°C	-55°C	25°C	85°C	125°C	85°C	125°C
0.1~6.8	±8	±10	±10	6				8 I _o	10 I _o
10~47				8					
68~150				10					

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

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