



CA411C Radial Leads Solid Tantalum Capacitor

1, Brief Introduction

CA411C Series solid tantalum electrolytic capacitors is Cylindrical ,Metal case
 With polar radial leads are characterized in small size, low DC Leakage,
 stable and excellent performances, high reliability and long life. CA411C
 Series meets the requirements of Chinese Electronic industry standard Q/PWV20002-2002,
 Suit for polar transform DC and pulse circuit



2, General Characteristics

Operating Temperature Range: -55°C ~ +125°C (>85°C with rated voltage derating)

Capacitance Tolerance: M=±20%, K=±10%

DC Leakage: at +20°C, $I_0 \leq 0.01 C_R U_R$ or 0.5µA (Whichever is greater);

Temperature performance please see Table3

Outline , dimensions and max weight see table1

Rated Voltage, derated voltage and capacitance see table 2

3, Outline and dimensions:

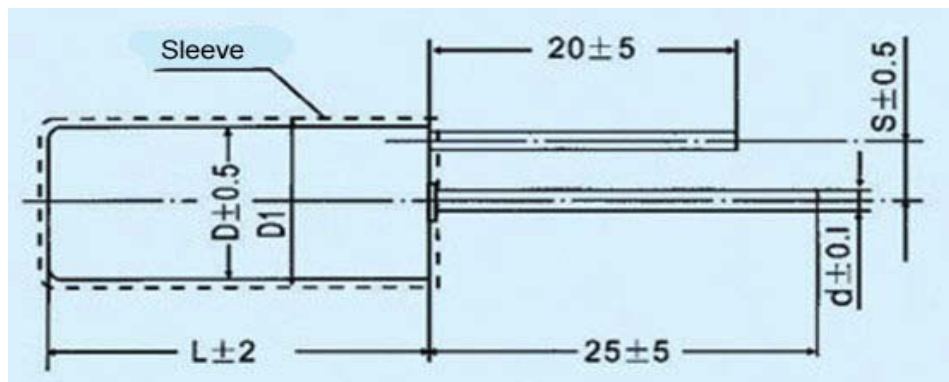


Table1: Outline dimension

Case Code	Weight (max.g)	Without insulation sleeve		With insulation sleeve		d±0.1 (mm)	s±0.5 (mm)
		D±0.5 (mm)	L±2 (mm)	D max (mm)	L max (mm)		
1	0.7	3.2	8	4.0	10	0.4	0.8
2	2.5	5	12	5.8	14	0.6	1.3
3	3.5	6	14	6.8	16	0.6	1.6
4	6.0	8	14	8.8	16	0.8	2.0
5	10.0	8	22	8.8	24	0.8	2.0
6	16.0	10	22	10.8	24	0.8	4.0



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4, Rated voltage, Derated voltage and Capacitance Table 2

Rated Voltage(V)	6.3	10	16	25	32	40	63
Derated Voltage(V)	4	6.3	10	16	20	25	40
Case Code	Nominal Capacitance(μ F)						
1	6.8	3.3	2.2	1.5	1.0	0.68	0.22
	10	4.7	3.3	2.2	1.5	1.0	0.33
		6.8					0.47
2	15	10	4.7	3.3	2.2	1.5	0.68
	22	15	6.8	4.7	3.3	2.2	1.0
	33	22	10	6.8	4.7	3.3	1.5
	47	33	15	10	6.8	4.7	2.2
	68	47	22	15	10	6.8	3.3
			33				
3	100	68	47	22	15	10	4.7
		100	68	33		15	
4	150	150	100	47	22	22	6.8
	220			68	33	33	10
5	330	220	150	100	47	47	15
	470	330			68		22
6	680	470	220	150	100	68	33
	1000	680	330	220	150	100	47

Feature of high and low temperature Table3:

Capacitance (μ F)	Capacitance Change(%)			Maximum					
				Dissipation factor(%)				Leakage current(Ua)	
	-55 $^{\circ}$ C	85 $^{\circ}$ C	125 $^{\circ}$ C	25 $^{\circ}$ C	-55 $^{\circ}$ C	85 $^{\circ}$ C	125 $^{\circ}$ C	85 $^{\circ}$ C	125 $^{\circ}$ C
≤ 1	± 8	± 8	± 10	3	3			$8I_0$	$10I_0$
1.5~68				5	5				
100~330				6	6				
470~1000				8	8				



5, How to order: (GTCA411C-476K0254)

GT	CA411C	476	K	025	4
Brand Name	Type	Capacitance	Tolerance	DC voltage	Case code
Green Tech	Radial Solid Electrolyte Tantalum Capacitor	476: 47×10^6 (pF) This is expressed in picofarads. The first two digits are the significant figures. The third is the number of zeros to follow.	K=±10% M=±20%	Rated voltage 6.3V=006 10V=010 16V=016 25V=025 32V=032 40V=040 63V=063	See table 1

Notes:

- 1、Tantalum capacitors can't be measured by multimeter (Easily cause irreversible damage and lead to reject)
- 2、Capacitance, DF measure frequency: 100Hz, $U=2.2_{-1.0}^0 V$, $U_{-}=1.0_{-0.5}^0 V$ (effective value)
- 3、Measure leakage current above 85°C, please use derated voltage.
- 4、Special size and big capacitance products, please negotiate with us