

# AXIAL WET TANTALUM CAPACITOR

# CA30

Products Name: CA30 Axial Leads Wet Electrolytic Tantalum Capacitor  
 Model: CA30  
 Value: 1uF~3300uF  
 Voltage: 6.3V~125V  
 Size(mm):



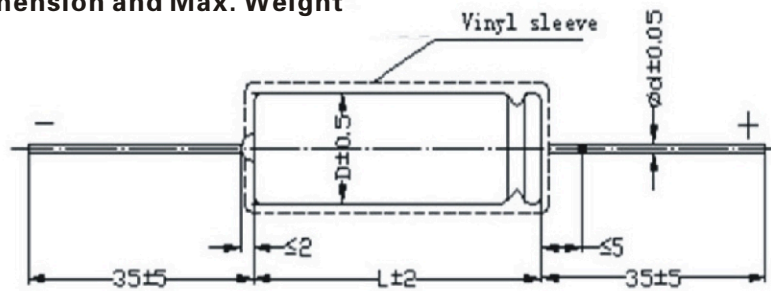
## 1, Brief Introduction

CA30 Series half-sealed tubular wet tantalum electrolytic capacitors with polar axial leads are characterized in small size, low DC Leakage, stable and excellent performances, high reliability and long life. CA30 Series meets the requirements of Chinese Electronic industry standard SJ/T10030-91, widely used in electronic equipment for military and civil applications such as telecommunication, aerospace and aviation.

## 2, General Characteristics

Operating Temperature Range:  $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$  ( $>85^{\circ}\text{C}$  with rated voltage derating)  
 Capacitance range: 1uF~3300uF  
 Capacitance Tolerance:  $\pm 20\%$ ,  $\pm 10\%$   
 Voltage: 6.3V~125V  
 DC Leakage: at  $+20^{\circ}\text{C}$ ,  $I_0 \leq 0.001 C_R V_R$  or  $1 \mu\text{A}$  (Whichever is greater);  
 at  $+85^{\circ}\text{C}$  and  $+125^{\circ}\text{C}$ ,  $I_0 \leq 0.0080 C_R V_R$  or  $8 \mu\text{A}$  (Whichever is greater)

## 3, Drawing, Case Dimension and Max. Weight



Outline and Dimensions

## 4, How to order (CA30 105 M 016)

CA	105	M	016	Code	Max. weight(g)	D±0.5 (mm)	L±2 (mm)
Type	Capacitance	Tolerance	DC voltage				
Series Wet Electrolytic Tantalum Capacitor	105 10X10 <sup>5</sup> (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%	6.3V=006	0	3	5	10
			10V=010	1	4	5	14
			16V=016	2	5	6	16
			25V=025	3	7	8	16
			40V=040	4	10	8	22
			50V=050	5	14	10	22
			63V=063	6	17	10	25
			75V=075	7	20	10	30
			100V=100	8	23	10	33
			125V=125				

## 5, Nominal Capacitance, Rated voltage, Voltage Derating, Case size and General Characteristics

Rated Voltage	Voltage Derating	Case size	Capacitance (μF)	DF(%) Max 25°C, 85°C, 125°C	Impedance(Ω) -55°C 100HZ
6.3	4	0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		0	4.7	6	500
		0	6.8	8	350
		0	10	8	260
		0	15	10	200
		0	22	10	180

Rated Voltage	Voltage Derating	Case size	Capacitance (μF)	DF(%)Max 25°C,85°C,125°C	Impedance(Ω) -55°C 100HZ
6.3	4	0	33	12	125
		0	47	15	125
		0	68	18	125
		0	100	20	100
		0	150	30	80
		1	220	40	70
		1	330	40	60
		2	470	50	50
		2	680	50	35
		3	1000	60	25
		4	1200	60	25
		4	1500	60	20
		5	2200	70	20
6	3300	80	15		
10	6.3	0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		0	4.7	6	500
		0	6.8	8	350
		0	10	8	250
		0	15	10	200
		0	22	10	175
		0	33	12	125
		0	47	15	100
		0	68	18	80
		0	100	20	60
		1	150	30	55
		2	220	40	45
		2	330	45	50
		3	470	50	35
		3	680	50	30
		4	1000	50	25
		4	1200	60	25
5	1500	60	20		
6	2200	70	20		
16(15)	10	0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		0	4.7	6	500
		0	6.8	8	350
		0	10	8	260
		0	15	10	180
		0	22	10	150
		0	33	12	110
		0	47	12	90
		0	68	18	80
		1	100	20	72
		2	150	30	60
		2	220	40	55
		3	300	40	45
		4	470	40	40
		5	680	45	35
		6	1000	50	30
		6	1200	50	25
7	1500	60	20		

Rated Voltage	Voltage Derating	Case size	Capacitance (μ F)	DF(%)Max 25°C,85°C,125°C	Impedance(Ω) -55°C 100HZ
25	16	0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		0	4.7	6	500
		0	6.8	8	300
		0	10	8	260
		0	15	10	175
		0	22	10	150
		0	33	12	110
		0	47	12	80
		1	68	20	75
		2	100	20	70
		3	150	25	60
		3	220	30	55
		4	330	30	45
		5	470	40	40
		6	680	40	35
		7	1000	40	30
		7	1200	50	25
8	1500	60	20		
40	25	0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		0	4.7	6	450
		0	6.8	8	350
		0	10	8	260
		0	15	10	175
		0	22	12	140
		1	33	12	110
		2	47	15	80
		2	68	15	75
		2	100	20	65
		3	150	20	50
		4	220	25	45
		5	330	25	35
		5	350	25	35
		5	470	30	35
		6	680	40	30
		7	1000	45	30
8	1200	50	25		
50	30	0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		0	4.7	6	500
		0	6.8	8	350
		0	10	8	260
		0	15	10	175
		1	22	12	150
		2	33	12	110
		2	47	15	80
		3	68	15	75
		3	100	20	65
		4	150	20	50
		4	220	25	45
		5	330	25	45
		6	470	35	35
		7	680	40	30
		8	1000	50	30

Rated Voltage	Voltage Derating	Case size	Capacitance (μ F)	DF(%)Max 25°C,85°C,125°C	Impedance(Ω) -55°C 100HZ
63	40	0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		0	4.4	6	500
		0	6.8	8	350
		0	10	8	260
		1	15	10	175
		2	22	12	140
		2	33	12	100
		2	47	15	80
		3	68	15	65
		3	100	20	60
		4	150	20	50
		5	220	25	45
6	330	25	35		
7	470	40	30		
75(70)	50	0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		0	4.7	6	500
		1	6.8	8	350
		1	10	8	260
		2	15	10	175
		2	22	12	150
		3	33	12	110
		3	47	15	80
		4	68	15	70
		4	100	20	60
		5	150	20	50
		6	220	25	45
7	330	25	35		
100(90)	63	0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		0	4.7	6	500
		1	6.8	8	350
		1	10	8	260
		2	15	10	175
		2	22	10	150
		3	33	15	100
		3	47	15	70
		4	68	15	65
		5	100	20	60
		6	150	20	50
		7	220	20	40
125	75	0	0.47	6	4500
		0	0.68	6	3000
		0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		1	4.7	6	500
		1	6.8	8	350
		2	10	10	260
		2	15	10	175
		3	22	15	150
		3	33	15	120
		4	47	15	90
		5	68	15	70
		6	100	15	50
7	150	20	45		