



CA30M Wet Tantalum Capacitor

(glass-sealed)

1, Brief Introduction

CA30M Series is 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. CA30M 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: $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$ ($>85^{\circ}\text{C}$, use derated voltage)

Capacitance Tolerance: M= $\pm 20\%$, K= $\pm 10\%$

DC Leakage: at $+20^{\circ}\text{C}$, $I_0 \leq 0.001C_R$



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4, General Characteristics table 2

Rated Voltage	Voltage Derating	Case size	Capacitance (μF)	DF(%)Max 25°C,85°C,125°C	Impedance () -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
		0	33	12	125
		0	47	15	125
		0	68	18	125
		0	100	20	100
		1	150	30	80
		1	220	40	70
		2	330	40	60
		2	470	50	50
		3	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	40





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Rated Voltage	Voltage Derating	Case size	Capacitance (μF)	DF(%)Max 25°C,85°C,125°C	Impedance () -55°C 100HZ
25	16	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	470	30	35
		6	560	40	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



Rated Voltage	Voltage Derating	Case size	Capacitance (μF)	DF(%)Max 25°C,85°C,125°C	Impedance () -55°C 100HZ
50	30	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
63	40	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
		1	15	10	175
		2	22	12	140
		2	33	12	100
		2	47	15	80
		3	68	15	65



Rated Voltage	Voltage Derating	Case size	Capacitance (μF)	DF(%)Max 25°C, 85°C, 125°C	
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5, How to order

(Part No. **GTCA30M-105M0160**)

GT	CA30M	105	M	016	0
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Notes:

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