



CA501 High-Temp Wet Tantalum Capacitor

Glass seal, for 175 operation

Characteristics and Application

Silver case, glass sealed, Tubular, Axial leads, High temperature sleeve, Polar

Good electric performance, High reliability, long life, Low DF and LC.

High temperature performance, Can use at 175

Suit for down-hole-drilling instrumentation and high temperature electronic devices DC or pulse circuit.

Implementation of standards QJ/PWV223-2008



Technical Performance

Operation temperature: -55 ~+175 (>155 use derated Voltage)

Capacitance Tolerance:K= ±10% M=±20% Q=-10%~+30%

Dissipation Factor: 25 100Hz (see table 2)

leakage current

25 I 0.002CRUR A or 2 A (whichever is greater)

85 I 0.01CRUR A or 10 A (whichever is greater)

175 I 0.03 CRUR A or 30 A (whichever is greater)

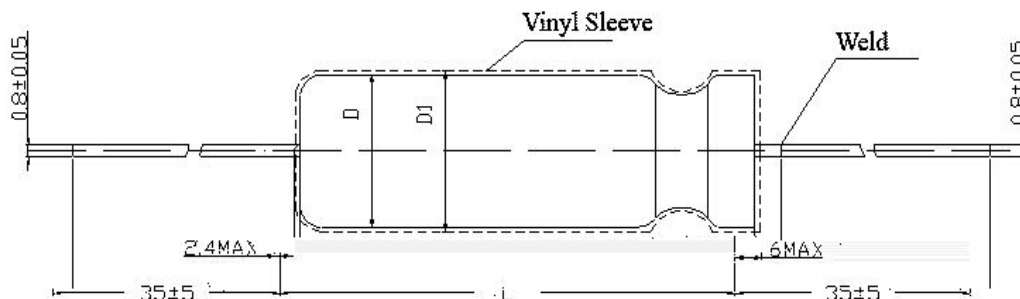


Table1 Case size and Maximum weight

Case Code	Max. Weight g	Without Sleeve		With Sleeve	
		D±0.5 mm	L±2 mm	D1max mm	L max mm
1	4	5	14	5.8	16
2	5	6	16	6.8	18
3	7	8	16	8.8	18
4	10	8	22	8.8	24
5	14	10	22	10.8	24
6	17	10	25	10.8	27
7	20	10	30	10.8	32



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Table2 Rated Voltage,derated voltage, capacitance, case code and dissipation factor

Rated Voltage U _R (V)	Derated Voltage U _C (V)	Case Code	Cap. C _R (F)	tg (%) 25	Rated Voltage U _R (V)	Derated Voltage U _C (V)	Case Code	Cap. C _R (F)	tg (%) 25				
6.3	3	1	22	45	25	13	2	47	30				
		1	33	45			2	68	30				
		1	47	45			2	100	40				
		1	68	45			3	150	45				
		2	100	50			4	220	60				
		2	150	50			4	330	60				
		3	220	70			5	470	65				
		3	330	75			6	680	70				
		4	470	95			1	4.7	15				
		4	680	95			1	6.8	20				
		5	1000	100			1	10	20				
		5	1200	120			1	15	25				
		10	5	1			15	40	40	20	1	22	30
				1			22	40			2	33	30
1	33			40	2	47	35						
1	47			45	2	68	30						
1	68			45	3	100	45						
2	100			50	4	150	45						
2	150			60	5	220	45						
3	220			65	5	330	50						
3	330			80	6	470	60						
4	470			85	7	680	80						
4	680			85	1	3.3	10						
16	8	1	4.7	20	50	25	1	4.7	15				
		1	10	30			1	6.8	15				
		1	15	30			1	10	15				
		1	22	35			2	15	15				
		1	33	35			2	22	20				
		1	47	40			2	25	20				
		2	68	40			2	33	25				
		2	100	45			2	39	25				
		3	150	45			3	47	25				
		3	220	70			4	68	35				
		4	330	80			4	100	35				
		4	470	85			5	150	30				
		5	680	90			6	220	35				
		25	13	1			4.7	20	6	330	40		
1	6.8			20	7	560	50						
1	10			20									
1	15			20									
1	22			25									
1	33			25									



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