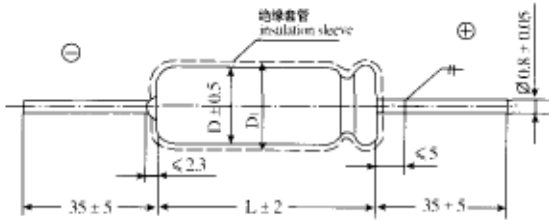


## Wet Electrolytic Tantalum Capacitor

### AN018E—CA30 series—wet axial type



Figure 1



#### Brief Introduction:

\*half-sealed tubular, with polar axial leads, in small size, low DC Leakage, stable and excellent performances, high reliability and long life.

\*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.

#### Features:

•Operating Temperature Range: Class I: -55°C +125°C (>85°C with rated voltage derating); Class II: -55°C +85°C

•Capacitance Tolerance: ± 10%, ± 20%

•DC Leakage: At +20°C,  $I_o \leq 0.001 C_R U_R$  or 1µA (Whichever is greater); At +85°C,  $I \leq 8 I_o$ ; At +125°C,  $I \leq 10 I_o$

•Dissipation Factor at 20°C: Please see Table 2.

•Case Sizes, Dimensions and Max. Weight: As Shown in Table 1 and Figure 1.

#### Dimensions, Rated Voltage, Voltage Derating and Nominal Capacitance

Table 1

Rated Voltage(V)		6.3	10	16	25	40	63	100	125	
Voltage Derating (V)		4	6.3	10	16	25	40	63	75	
Case Size	Dx L Max	Max. Weight	Nominal capacitance(µF)							
1	5*14		22	15	10	6.8	4.7	2.2	1.5	1.0
			33	22	15	10	6.8	3.3	2.2	1.5
			47	33	22	15	10	4.7	3.3	2.2
			68	47	33	22	15	6.8	4.7	3.3
			100	68	47	33	22	10	6.8	4.7
2	6*16	5	150	100	68	47	33	15	10	6.8
			220	150	100	68	47	22	15	10
3	8*16	7	330	220	150	100	68	33	22	15
			470	330	220	150	100	47	33	22
4	8*22	10	680	470	330	220	150	68	47	33
5	10*22	14	1000	680	470	330	220	100	68	47
6	10*25	17		1000	680	470	330	150	100	68

#### Values of Dissipation Factor at 100 Hz, 20°C

Unit mm

Table 2

C.(µF)	1.0~2.2	3.3	4.7	6.8	10	15	22	33	47	68	100	150	220	330	470	680	1000
U (V)	Values of Dissipation Factor at 100 Hz, 20°C																
63							15	20	25	30	35			50	85	80	90
10						10	15	15	15	30	20	50	45	70	75	65	80
16					10	10	10	12	20	20	35	35	60	70	50	70	
25				8	8	10	10	20	15	30	25	50	50	40	50		
40			6	8	8	10	20	12	25	20	35	35	30	45			
63	6	6	6	8	8	10	18	12	25	25	20	28					
100	6	6	6	8	10	18	15	25	28	20	25						
125	6	6	6	8	15	15	23	23	20	23							