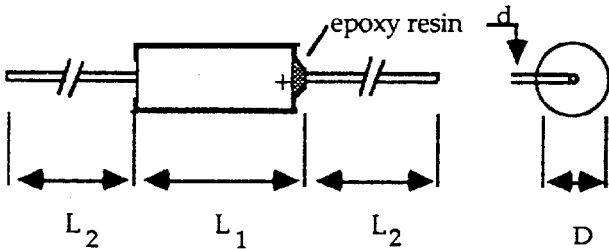


UTE Cedex 64 - 92052 LA DEFENSE Téléphone (1) 46 91 11 11 Télex : CEFUTE 620 816 F	Page 1/15	CECC 30 202-013 Issue 1 April 1991 
ELECTRONIC COMPONENTS OF ASSESSED QUALITY - DETAIL SPECIFICATION IN ACCORDANCE WITH: CECC 30 000 Issue 3 1983, Amdt. 1- 5 CECC 30 200 Issue 2 1985, Amdt. 1- 5	UTE C 83-112 ISSUE 2 ADD 2	
First angle projection   Outline and dimensions  All dimensions in mm, see Table 1.		DETAIL SPECIFICATION FOR FIXED TANTALUM CAPACITORS WITH NON-SOLID ELECTROLYTE, POROUS ANODE (Sub-Family 2) Polar Cylindrical Metallic case Insulated Axial terminations End finished with epoxy

QUICK REFERENCE DATA:

Capacitance: 3.6 μ F - 2200 μ FCapacitance tolerance: $\pm 10 \%$, $\pm 20 \%$

Voltage range: 6 V to 125 V

Climatic category: 55/125/56

Information about manufacturers who have components qualified to this detail specification is available in the current CECC 00 200 : Qualified Products List.

1 General data

1.1 Method of mounting

The capacitors shall be mounted by clamping the body, the terminaison wires fixed at about 6 mm of the body.

1.2 Dimensions

TABLE 1

Case size Reference	Dimensions (in mm)			
	L1 + 0.80 - 2.00	D ± 0.40	L2 min	d +10% ±0.05
A	13.6	4.9	25	0.6
B	18.4	7.2	25	0.6
C	21.5	9.6	25	0.6
D	28.7	9.6	25	0.6

1.3 Ratings and characteristics

Capacitance range	see Table 2A
Tolerance on rated capacitance	± 10 %, ± 20 %
Rated voltage	see Table 2A
Category voltage	see Table 2A
Climatic category	55/125/56
Rated temperature	85°C
Capacitance change with temperature	see Table 2B
Tangent of loss angle	see Table 2B
Leakage current	see Table 2B

TABLE 2A
Standard range
 Values of capacitance related to voltages and case sizes

Rated Capacitance CR μ F	Rated voltage UR (V) 85°C										
	6	8	10	15	25	30	50	60	75	100	125
CR μ F	Category voltage UC (V) 125°C										
	4	5	7	10	15	20	30	40	50	70	85
3,6											A
4								A			
4,7										A	
5							A				
6,8									A		
8						A					
8,2								A			
9											B
10					A		A				
11										B	
14											B
15				A		A			B		
20			A					B			
22					A					B	
25		A					B				C
30	A									C	
33				A					B		
39								B			
40						B			C		
43										C	
47			A				B				
50								C			
56		A							C		
60							C				
68	A					B		C			
70				B							
80											D
82							C				
86										D	
100					B	C					
110									D		
120				B							
140	B							D			
150						C					
160							D				
170				C							
180			B		C						
220		B									
250			C								
270	B			C							
300						D					
330	C										
350					D						
390			C								
430		C									
540				D							
560	C										
750			D								
850		D									
1200	D										

TABLE 2B
Characteristics at high and low temperature

Case Size Reference	UR (V)	CR (μ F)	Capacitance Change $\Delta C/C$ %			Maximum values			
						Tan δ (%)		Leakage current (μ A)	
			TA -55°C	TR 85°C	TB 125°C	20°C $\pm$ 5 TR TB	20°C $\pm$ 5°C	TR	TB . 1)
A	6	30	-40	12	12	8	1	2	2
A		68	-40	16	16	18	1	2	2
B		140	-40	16	16	18	1	3	3
A		220	-65	16	16	40	2	9	9
B		270	-44	20	20	70	1	7	7
C		330	-44	16	16	43	2	8	8
C		560	-64	20	20	110	2	13	13
B		820	-80	20	20	68	3	14	14
D		1200	-80	25	25	60	3	12	12
C		1500	-85	25	25	82	5	20	20
D		2200	-80	25	25	80	9	30	30
A	8	25	-40	12	12	7	1	2	2
A		56	-40	12	12	15	1	2	2
A		180	-60	16	16	36	2	9	9
B		220	-44	20	20	57	1	7	7
B		430	-80	20	20	42	3	14	14
C		430	-64	20	20	84	2	14	14
B		620	-80	20	20	53	3	14	14
B		680	-80	20	20	55	3	14	14
C		850	-80	25	25	65	4	16	16
D		850	-80	25	25	50	4	16	16
C		1200	-80	25	25	82	5	20	20
D		1600	-80	25	25	68	7	25	25
D		1800	-80	25	25	70	8	28	28
A	10	20	-32	12	12	5	1	2	2
A		47	-36	16	16	15	1	2	2
A		100	-36	16	16	13	1	4	4
A		120	-50	16	16	32	2	9	9
A		140	-50	16	16	32	2	9	9
A		150	-50	16	16	32	2	9	9
B		180	-36	16	16	46	1	7	7
C		250	-40	16	16	32	2	10	10
C		390	-64	20	20	75	2	16	16
B		470	-70	20	20	35	3	16	16
B		510	-70	20	20	45	3	16	16
B		560	-70	20	20	50	3	16	16
D		750	-80	25	25	44	4	16	16
C		1000	-75	25	25	67	5	20	20
D		1300	-75	25	25	63	7	25	25
D		1500	-75	25	25	66	8	28	28