

CADAB

for defense

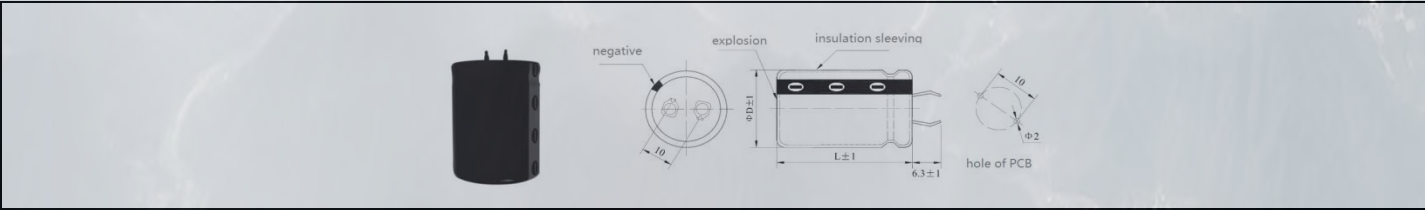
- 10V~500V full voltage series wide operating temperature
- It meets the environmental requirements of the national military standard GJB3516-99 such as vibration, low pressure and humidity resistance
- It is suitable for filtering, coupling and bypassing in electronic circuits in aerospace, aviation, alpine, high altitude and ocean
- Main technical parameters:



item		characteristic											
Operating temperature range		-55℃~+105℃											
Rated voltage range		10V~500V											
Nominal capacitance range		47 μ F~82000 μ F											
Allowable deviation of nominal capacitance (25℃, 100Hz)		M (± 20%)											
DC leakage current (25℃, 5min)		1≤0.02C _R U _R (μ A) C _R : Nominal capacitance (μF); U _R : Rated voltage (V)											
DF tgδ (25℃, 100Hz)		U _R (V)	10	16	25	35	50	63	80	100	160~450	500	
		tgδ (≤)	0.20	0.18	0.15	0.12	0.10	0.10	0.10	0.10	0.15	0.20	
		Products with capacities greater than 1500 μ F, Each increase1000 μ F, The DF increases 0.02。											
Temperature characteristics (100Hz)	Impedance ratio	Z _{-55℃} /Z _{+25℃} ≤15											
	Rate of change in capacitance	(C _{+25℃} —C _{-55℃}) /C _{+25℃} ≤20% (≤40% (500V)) (C _{+25℃} —C _{-40℃}) /C _{+25℃} ≤10% (≤20% (500V))											
durability		The rated voltage with ripple current is applied at 105℃ for 2000h, and after recovery for 24h, the rated voltage with ripple current is tested at room temperature (25° C±5℃), and its electrical performance is in accordance with the test:											
		Rate of change in capacitance					≤± 15% of initial measurements						
		The loss angle is tangent tgδ					≤150% of the initial specified value						
		DC leakage current					≤Initial prescriptive value						
Store at high temperatures		After being left at 105 °C for 500h and recovered for 24 hours, the electrical performance was tested at room temperature:											
		Rate of change in capacitance					≤± 15% of initial measurements						
		The loss angle is tangent tgδ					≤200% of the initial specified value						
		DC leakage current					≤200% of the initial specified value						
Shelving life		After being left at 85℃ for 100 hours and recovered for 24 hours, the electrical properties were tested at room temperature:											
		Structural coefficients		≤4.0			Shelving factor			≤3.0			
		Rate of change in capacitance		≤± 6%Initial measurements									
		The loss angle tangent tg δ		≤175%Initial prescriptive value									
		DC leakage current		≤150%Initial prescriptive value									

Execution standard number: ZZR—Q/MN20078—2010 and GJB3516—1999

- Outline drawings and size charts (mm)



CADAB

for defense

List of product specifications and technical parameters

C _{st} (μ F) U _s (V)	10 1A		16 1C		25 1E		35 1V		50 1H	
	DxL (mm)	I _~ (mA)	DxL (mm)	I _~ (mA)	DxL (mm)	I _~ (mA)	DxL (mm)	I _~ (mA)	DxL (mm)	I _~ (mA)
1500									22×35	1100
									25×25	1100
2200							22×35	950	22×40	1300
									25×30	1300
3300					25×25	1250	22×40	1350	22×45	1800
							25×25	1350	25×35	1800
4700					25×30	1500	22×45	1800	22×50	2350
							25×30	1800	25×40	2350
									30×30	2350
5600			22×25	1430	25×35	1650	22×50	2100	25×45	2700
					30×30	1650	25×35	2100	30×35	2700
									35×25	2700
6800	22×30	1220	22×30	1650	30×30	1800	25×40	2300	30×40	3200
					35×25	1800	30×30	2300	35×35	3200
							35×25	2300		
8200	22×35	1420	22×35	1830	30×35	1950	25×45	2600	30×45	3500
	25×25	1420	25×25	1830	35×30	1950	30×35	2600	35×40	3500
							35×30	2600		
10000	22×40	1650	22×40	1950	30×40	2500	30×40	2800	30×50	3800
	25×30	1650	25×30	1950	35×35	2500	35×35	2800	35×45	3800
12000	22×45	1940	22×45	2150	30×45	2720	30×45	3100	35×50	4200
	25×35	1940	25×35	2150	35×40	2720	35×40	3100		
			30×30	2150						
15000	25×40	2200	22×50	2400	30×50	2900	35×45	3450	35×60	4500
	30×35	2200	25×40	2400	35×45	2900				
			30×35	2400						
18000							35×50	4300		
22000	25×45	2460	25×50	3200	35×50	3900	35×60	4800		
	30×40	2460	30×40	3200						
	35×30	2460	35×35	3200						
27000			30×45	3600						
			35×40	3600						
33000	25×50	3200	30×50	4100	35×60	5200				
	30×45	3200	35×45	4100						
	35×35	3200								
47000	30×50	4100	35×50	5200						
	35×40	4100								
56000	35×45	4600	35×60	5600						
68000	35×50	5000								
82000	35×60	5600								

Rated ripple current
(105℃, 100Hz)

CADAB

for defense

■ List of product specifications and technical parameters

$\begin{matrix} C_s(\mu F) \\ U_s(V) \end{matrix}$	63 1J		80 1K		100 2A		160 2C		200 2D	
	DxL (mm)	I~ (mA)	DxL (mm)	I~ (mA)	DxL (mm)	I~ (mA)	DxL (mm)	I~ (mA)	DxL (mm)	I~ (mA)
150									22×25	600
220							22×25	740	22×30	870
330							22×35	830	25×35	1110
470							25×35	980	25×40	1220
560					22×25	870	30×35	1200	30×40	1450
680			22×25	720	22×30	1100	30×40	1370	30×45	1630
820	22×25	620	25×25	850	22×35	1250	30×45	1560	30×50	1740
							35×35	1560	35×40	1740
1000	22×30	750	25×30	1290	22×40	1380	30×50	1810		
					25×30	1380	35×40	1810	35×45	1820
1200			25×35	1440	22×45	1540	35×45	1980		
					25×35	1540				
1500	22×35	1200	25×40	1400	25×40	1800	35×50	2340	35×50	2400
			30×35	1400	30×35	1800				
1800									35×60	2590
2200	25×45	1500	30×40	1860	30×40	2400	35×60	2600	35×70	2976
	30×30	1500	35×30	1860	35×35	2400				
3300	25×50	2100	30×45	2430	30×50	3150				
	30×35	2100	35×35	2430	35×40	3150				
	35×25	2100								
3900					35×45	3500				
4700	30×40	2750	35×40	3250	35×50	3800				
	35×30	2750	30×50	3250						
5600	35×35	2900	35×45	3600	35×60	4100				
	30×45	2900			 Rated ripple current (105℃, 100Hz)					
6800	30×50	3200	35×50	4000						
	35×40	3200								
8200	35×45	3600	35×60	4300						
10000	35×50	4000								
12000	35×60	4300								

CADAB

for defense

List of product specifications and technical parameters

U _s (V) C _{st} (μF)	250 2E		350 2V		400 2G		450 2W		500 2H	
	DxL (mm)	I _~ (mA)	DxL (mm)	I _~ (mA)	DxL (mm)	I _~ (mA)	DxL (mm)	I _~ (mA)	DxL (mm)	I _~ (mA)
47					25×25	260	22×30	350	25×35	270
									30×30	270
56					25×25	380	25×30	410	25×40	320
									30×35	320
68					25×30	440	25×35	470	25×45	360
									30×40	360
82					25×35	490	25×40	550	25×50	450
					30×30	490	30×30	550	30×45	450
100					25×40	620	25×45	610	30×50	510
					30×30	620	30×35	610	35×40	510
150	22×35	510	22×40	680	25×45	710	25×50	810	35×45	640
	25×30	510	25×35	680	30×35	710	30×40	810		
							35×35	810		
220	22×40	670	22×45	820	30×45	780	30×50	1050	35×50	750
	25×35	670	25×40	820	35×40	780	35×40	1050		
	30×30	670	30×35	820						
270									35×60	880
330	25×40	830	25×45	950	30×50	910	35×50	1380		
	30×35	830	30×40	950	35×45	910				
			35×35	950						
470	25×50	950	30×50	1160	35×50	1360	35×60	1740		
	30×40	950	35×40	1160						
	35×35	950								
560	30×45	1250	35×45	1350	35×60	1500				
	35×40	1250								
680	30×50	1450	35×50	1580						
	35×45	1450								
820	35×50	1630	35×60	1650						
1000	35×60	1890	 Rated ripple current (105℃, 100Hz)							
1500	35×70	2100								

Part number example

CADAB 472 M 2A 350500
 series capacitance tolerance voltage dimension