CADAC

for defense

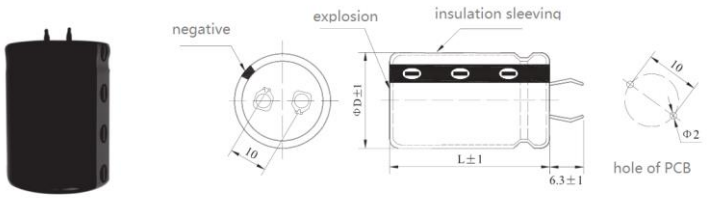
- Solder pin structure, high pressure product, small volume。
- There are reliability indicators, and there are five levels of failure rate（ $\lambda \leqslant 1\times10^{-5}$）
- It meets the environmental requirements of the national military standard GJB603A-2021
- such as vibration, low pressure, and humidity resistance
- It is suitable for filtering and energy storage in the electronic unified circuit of aerospace, aviation, alpine, high altitude and ocean.

■ Main technical parameters:

Item	characteristic
Operating temperature range	-40℃~+105℃
Rated operating voltage range	400V~450V
Nominal capacitance range	82~1000μF
Allowable deviation of nominal capacitance	M（±20%） （25℃，100Hz）
DC leakage current（25℃，5min）	$I \leqslant 0.01C_RU_R$（μA） C_R：Nominal capacitance (μF); U_R: Rated voltage (V)
DF δ (max)	For details, please refer to the "List of Product Specifications and Technical Parameters"（25℃，100Hz）
Temperature characteristics (100Hz, impedance ratio)	$Z_{-40℃}/Z_{+25℃} \leqslant 12$
Rated ripple current	For details, please refer to the "List of Product Specifications and Technical Parameters"（105℃，100Hz）
Durability (High Temperature Test)	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℃±5℃), and its electrical performance is in accordance with the test： Rate of change in capacitance: ≤±20% Initial measurements DC leakage current: ≤Initial prescriptive value The DF: ≤200% Initial measurements
Store at high temperatures	Left at 105℃ for 1000h, after the test, the normal temperature (25℃±5℃) was restored to the test, and its electrical properties were in line with： Rate of change in capacitance: ≤±15% Initial measurements DC leakage current: ≤200% Initial prescriptive value The DF: ≤200% Initial measurements

Execution standard number：Q/MN20088－2023 GJB603A－2011

■ Outline drawings and size charts（mm）



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■ List of product specifications and technical parameters

Rated voltage (V)	capacity (μF)	Dimensions D×L (mm)	tgδ (100Hz)	Ripple current (mA,rms)
400 2G	100	22×25	0.20	494
	120	22×30	0.20	577
	120	25×25	0.20	577
	150	22×35	0.20	707
	150	25×30	0.20	707
	220	22×45	0.20	924
	220	25×35	0.20	924
	270	25×40	0.20	1038
	270	30×30	0.20	1038
	330	25×45	0.20	1240
	330	30×35	0.20	1240
	390	35×30	0.20	1180
	390	30×40	0.20	1180
	470	30×45	0.20	1400
	470	35×35	0.20	1400
	560	35×40	0.20	1638
	680	35×50	0.20	2017
	820	35×55	0.20	2324
	1000	35×60	0.20	2680

Rated voltage (V)	capacity (μF)	Dimensions D×L (mm)	tgδ (100Hz)	Ripple current (mA,rms)
450 2W	82	22×30	0.20	472
	100	25×25	0.20	507
	100	22×35	0.20	507
	120	25×30	0.20	610
	120	22×40	0.20	610
	150	25×35	0.20	735
	180	30×25	0.20	745
	180	22×45	0.20	745
	220	25×40	0.20	900
	220	30×30	0.20	900
	270	25×45	0.20	1080
	270	35×30	0.20	1080
	270	25×45	0.20	1080
	270	30×35	0.20	1080
	330	35×30	0.20	1260
	330	30×40	0.20	1146
	330	35×35	0.20	1158
	470	30×50	0.20	1470
	470	35×40	0.20	1470
	560	35×50	0.20	1800
	680	35×55	0.20	2080
	820	35×60	0.20	2390

Part number example

CADAC	108	M	2G	350600
series	capacitance	tolerance	voltage	dimesion