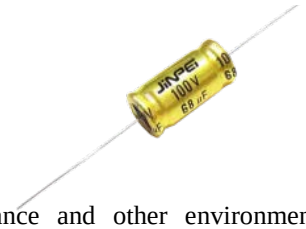
CAOD

for defense



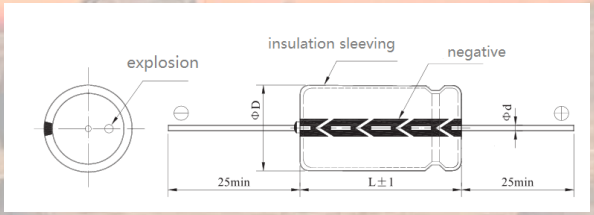
- There are reliability indicators, and there are five levels of failure rate（ $\lambda \leqslant 1\times10^{-5}$）。
- Axial structure, wide temperature product。
- It meets the environmental requirements of vibration, low pressure, humidity resistance and other environmental requirements of the national military standard GJB603-88。
- It is suitable for filtering, coupling and bypass in high-voltage electronic circuits in aerospace, aviation, cold, high altitude and ocean。

■ Main technical parameters

Item	characteristic
Operating temperature range	-55℃~+105℃
Rated operating voltage range	25V－100V、400V、450V
Nominal capacitance range	3.3μF~1000μF
Allowable deviation of nominal capacitance	M（±20%） （25℃，100Hz）
DC leakage current（25℃，2min）	$I \leqslant 0.02C_RU_R$ C_R：Nominal capacitance (μF); UR: Rated voltage (V)
DF tg δ (max)	For details, please refer to the "List of Product Specifications and Technical Parameters" （25℃，100Hz）
Rated ripple current	For details, please refer to the "List of Product Specifications and Technical Parameters" （105℃，100Hz）
Temperature characteristics (120Hz) impedance ratio	25V~100V：$Z_{-55℃}/Z_{+25℃} \leqslant 7$ 400V、450V：$Z_{-55℃}/Z_{+25℃} \leqslant 12$
Durability (High Temperature Test)	The rated voltage is applied at 105℃ for 2000h, and after recovery for 24h, the electrical performance is tested at room temperature (25℃±5℃).： Rate of change in capacitance: ≤± 20% of the initial measurement DC leakage current: ≤Initial prescriptive value The DF: ≤200% of the initial specified value
Store at high temperatures	It was stored at 105℃ for 500 hours, recovered for 24 hours, and tested at room temperature (25℃±5℃), and its electrical properties were in line with it： Rate of change in capacitance: ≤±20%Initial measurements DC leakage current: ≤200%Initial prescriptive value The DF: ≤200%Initial prescriptive value

Execution standard number：Q/MN20051－2003 GJB603－88

■ Outline drawings and size charts（mm）



D±1.0	8	10	13	16	18
d±0.1	0.6		0.8		

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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) (105℃, 100Hz)
25 1E	100	8×16	0.15	157
	100	8×20	0.15	175
	220	8×16	0.15	220
	220	10×30	0.15	330
	330	13×20	0.15	380
35 1V	470	13×25	0.15	511
50 1H	33	8×16	0.15	85
	330	13×25	0.15	627
	470	13×30	0.15	820
63 1J	10	8×16	0.10	64
	22	8×16	0.10	95
	47	8×16	0.10	150
	47	10×16	0.10	170
	100	10×20	0.10	250
	220	13×25	0.10	450
	330	13×30	0.10	620
	470	16×30	0.10	840
	680	18×30	0.10	920
	1000	18×40	0.10	1050
100 2A	220	13×30	0.10	510
	470	16×30	0.10	780
	680	18×40	0.10	950
	10	8×16	0.10	57
	22	8×16	0.10	95
	22	10×16	0.10	110
	33	10×20	0.10	170
	47	10×25	0.10	205
	68	13×25	0.10	240
	100	13×30	0.10	310
	220	16×40	0.10	560
	330	18×35	0.10	720
400 2G	3.3	13×30	0.20	50
	6.8	10×25	0.20	70
450 2W	10	13×25	0.20	97

Part number examples

CAOD series | 107 capacitance | M tolerance | 1J voltage | T package | 100100 dimension