CABBC

for defense

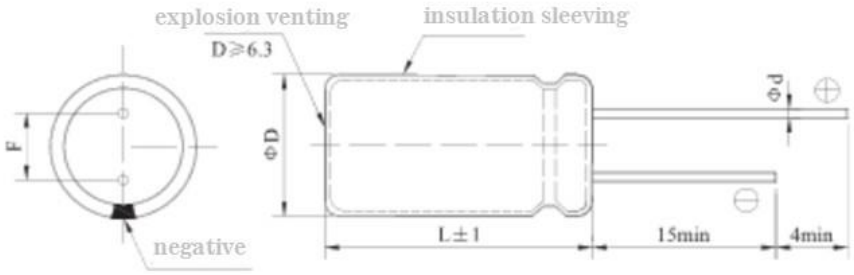
- There are reliability indicators, and the five-level failure rate ($\lambda \leq 1\times10^{-5}$).
- Very low leakage current, ultra-low impedance, ultra-long life
- It meets the environmental requirements of vibration, low pressure, humidity resistance and other environmental requirements of the national military standard GJB603-88
- It is suitable for filtering, coupling and 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~100V
Nominal capacitance range	22μF~1000μF
Allowable deviation of nominal capacitance (25℃, 120Hz)	T（-10%~+50%）
DC leakage current（25℃，5min）	I≤0.006$C_R U_R$ or 1 (whichever is greater) C_R: Nominal Capacitance (F); U_R: Rated voltage (V)
The loss angle tangent tgδ（25℃，120Hz）	U_R(V) / tgδ（≤）: 10~25 → 0.13; 32~63 → 0.08; 100 → 0.07
Temperature characteristics (impedance ratio, 120Hz)	U_R(V): 10~25 / 32~50 / 63~100 $Z_{-55℃}/Z_{+25℃}$: 15 / 10 / 21
durability	The rated voltage is applied at 105℃ for 2000h, and after recovery for 24h, the electrical performance of the rated voltage (25℃±5℃) is tested at room temperature Rate of change in capacitance: ≤± 20% of the initial measurement The loss angle tangent tgδ: ≤ 150% of the initial specified value DC leakage current: ≤ initial prescriptive value
Store at high temperatures	After storing at 105 ℃ for 500 hours and recovering for 24 hours, the electrical properties of the two temperatures (25 ℃±5 ℃) were tested, and the electrical properties conformed to: Rate of change in capacitance: ≤± 10% of the initial measurement The loss angle tangent tgδ: ≤ 115% of the initial specified value DC leakage current: ≤ 200% of the initial specified value

Executive standard number: SJ20205-92 and GJB603-88

■ Outline drawing and size table (mm)



D±1.0	12	16		
L±1.0	25	25	30	35
F±0.5	5.0	7.5		
d±0.1	0.6	0.8		

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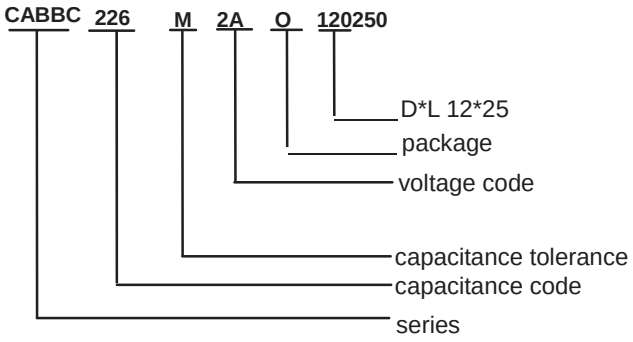
■ List of product specifications and technical parameters

$U_{R(V)}$ / $C_{R(\mu F)}$	10 1A			16 1C			25 1E			35 1V		
	DxL (mm)	Z Ω	I~ (mA)	DxL (mm)	Z Ω	I~ (mA)	DxL (mm)	Z Ω	I~ (mA)	DxL (mm)	Z Ω	I~ (mA)
150										12x25	0.25	470
220							12x25	0.27	450	16x25	0.17	660
330				12x25	0.21	550	16x25	0.18	630	16x35	0.12	950
470	12x25	0.15	650	16x25	0.15	760	16x30	0.13	830			
680	16x25	0.10	910	16x30	0.10	990						
1000				16x35	0.07	1300						

$U_{R(V)}$ / $C_{R(\mu F)}$	50 1H			63 1J			100 2A		
	DxL (mm)	Z Ω	1~ (mA)	DxL (mm)	Z Ω	I~ (mA)	DxL (mm)	Z Ω	1~ (mA)
22							12x25	0.64	190
33							16x25	0.42	270
47				12x25	0.51	260	16x30	0.30	360
68	12x25	0.56	320	16x25	0.35	370	16x35	0.21	460
100	16x25	0.38	440	16x35	0.24	530			
150	16x30	0.25	600						
220	16x35	0.17	790						

Rated ripple current (105℃, 120Hz) impedance（25℃，100kHz）

HOW TO MAKE A PART NUMBER



Code	Lead Forming Type
O	Bulk
T	5mm Chip tape
A	(Φ4~Φ6.3)2.5mm tape
F	(Φ4~Φ8)5mm tape
P	Φ≥Φ8mm original(vertical)tape
M	5mm Lead forming
C	C Lead forming
B	B Lead forming
D	(Φ4~Φ8)2.5mm Lead forming