CABBB

for defense

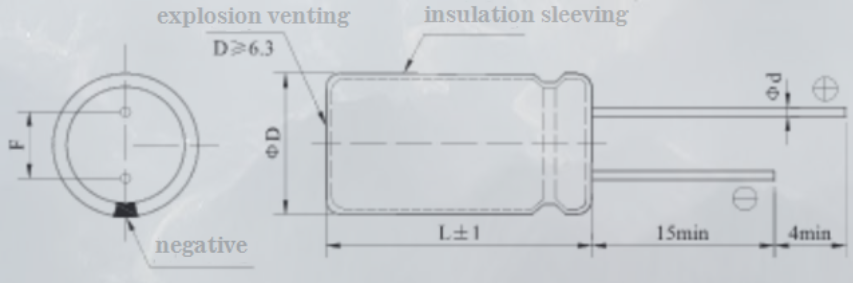
- 105 ℃ **ultra-mini** for high-density assembly of electronic circuits.
- Military products meet environmental requirements such as vibration and low air pressure.
- Military products can be supplied according to the "seven specialized" level, and can also be supplied according to the "general army" level.
- 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	-40℃~+105℃
Rated voltage range	6.3V~63V
Nominal capacitance range	0.1μF~220μF
Allowable deviation of nominal capacitance (25 ℃, 120Hz)	M（±20%）
DC leakage current（25℃，5min）	I≤0.01$C_R U_R$ or 3 (μA) (whichever is greater) C_R: Nominal Capacitance (F); U_R: Rated voltage (V)
The loss angle tangent tgδ（25℃，120Hz）	U_R(V) 6.3 10 16 25 35 50 63 tgδ（≤） 0.24 0.20 0.16 0.14 0.12 0.10 0.08
Temperature characteristics (impedance ratio, 120Hz)	U_R(V) 6.3 10~16 25~63 $Z_{-40℃}/Z_{+25℃}$ ≤7 ≤5 ≤4
durability	The rated voltage with ripple current is applied at 105 ℃ for 1000h, and after recovery for 24h, the electrical performance is tested at room temperature (25 ℃±5 ℃), and its electrical performance conforms to: Rate of change in capacitance: ≤± 20% of the initial measurement Loss tangent tgδ: ≤ 200% 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: ≤± 20% of the initial measurement Loss tangent tgδ: ≤ 200% of the initial specified value DC leakage current: ≤ 200% of the initial specified value

Executive standard number: Q/MN71-2000 Seven special standard number: QZJ840634

■ Outline drawing and size table (mm)



D±0.5	4	5	6.3	8
F±0.5	1.5	2.0	2.5	3.5
d±0.1	0.45			0.5

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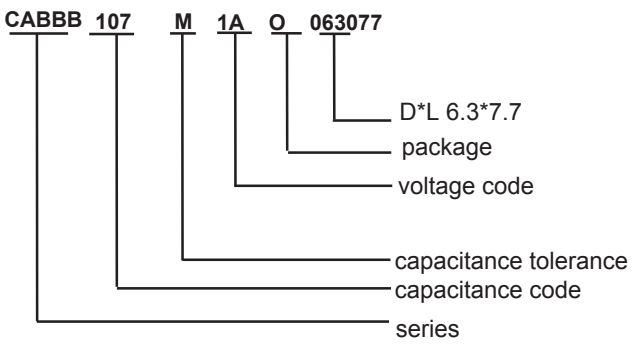
■ List of product specifications and technical parameters

UR(V) / CR(μF)	6.3 0J		10 1A		16 1C		25 1E		35 1V		50 1H		63 1J	
	DxL (mm)	I~ (mA)	DxL (mm)	I~ (mA)	DxL (mm)	I~ (mA)	DxL (mm)	I~ (mA)	DxL (mm)	I~ (mA)	DxL (mm)	I~ (mA)	DxL (mm)	I~ (mA)
0.1											4×7	1.0	4×7	1.3
0.15											4×7	1.2	4×7	1.5
0.22											4×7	2.3	4×7	2.5
0.33											4×7	4.7	4×7	5.0
0.47											4×7	5.0	4×7	5.5
0.68											4×7	8.2	4×7	9.0
1.0									4×7	11	4×7	10	4×7	11
1.5									4×7	13	4×7	12	4×7	14
2.2									4×7	16	4×7	19	4×7	20
3.3							4×7	16	4×7	20	4×7	24	5×7	25
4.7					4×7	20	4×7	19	4×7	24	5×7	29	6.3×7	32
6.8					4×7	24	5×7	25	4×7	29	6.3×7	36		
10					4×7	29	5×7	33	5×7	36	6.3×7	44		
15			4×7	28	4×7	35	6.3×7	42	6.3×7	47				
22	4×7	34	5×7	28	5×7	44	6.3×7	51	6.3×7	57				
33	5×7	42	5×7	47	6.3×7	57	6.3×7	63	6.3×7	72				
47	5×7	50	6.3×7	59	6.3×7	68	6.3×7	78						
68	6.3×7	70	6.3×7	77	6.3×7	81	8×7	92						
100	6.3×7	77	6.3×7	96	8×7	117	8×7	111						
220	8×7	130	8×7	155	8×7	173								

Rated ripple current
（105℃，120Hz）
Dimensions

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