

## CABBA

for defense



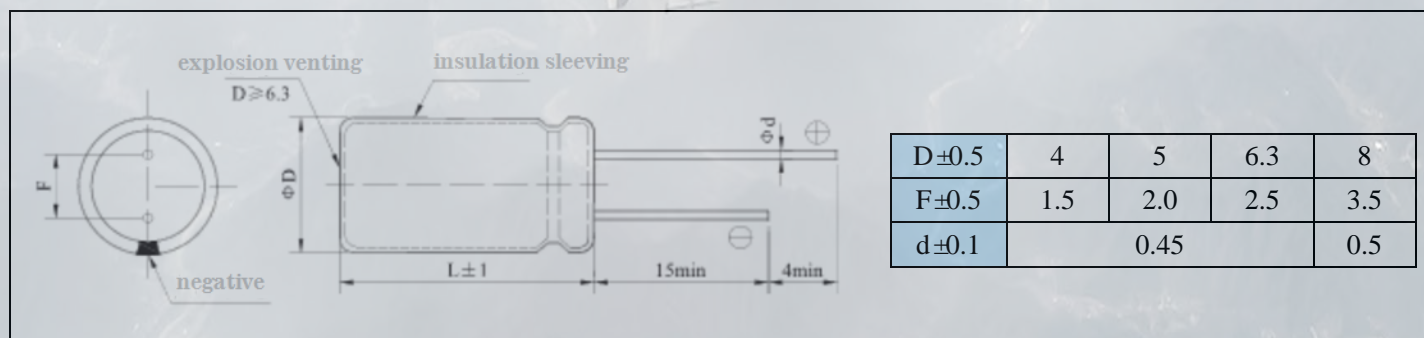
- **7mm** height and small model, suitable for high-density assembly of electronic circuits.
- Military products meet environmental requirements such as vibration and low air pressure.
- Military products can be supplied according to the "seven specialized" level, and can also be supplied according to the "general army" level.
- It is suitable for filtering, energy storage and bypass in electronic circuits in aerospace, aviation, alpine, high altitude and ocean.

■ Main technical parameters:

Item	characteristic							
Operating temperature range	-40℃~+85℃							
Rated voltage range	6.3V~63V							
Nominal capacitance range	0.1μF~330μF							
Allowable deviation of nominal capacitance (25℃, 120Hz)	M (±20%)							
DC leakage current (25℃, 5min)	I≤0.01C <sub>R</sub> U <sub>R</sub> or 3 (whichever is greater) C <sub>R</sub> : Nominal Capacitance (F); U <sub>R</sub> : Rated voltage (V)							
The loss angle tangent tgδ (25℃, 120Hz)	U <sub>R</sub> (V)	6.3	10	16	25	35	50	63
	tgδ (≤)	0.24	0.20	0.16	0.14	0.12	0.10	0.10
Temperature characteristics (impedance ratio, 120Hz)	U <sub>R</sub> (V)	6.3	10~16	25~63				
	Z-40℃/Z+25℃	≤7	≤5	≤4				
durability	The rated voltage with ripple current is applied at 85℃ for 1000h, and after recovery for 24h, it 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					
Store at high temperatures	DC leakage current		≤ initial prescriptive value					
	After storage at 85℃ for 500h and recovery for 24h, it was tested at room temperature (25℃±5℃), and its 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/MN000119-91 Seven special standard number: QZJ840634

■ Outline drawing and size table (mm)



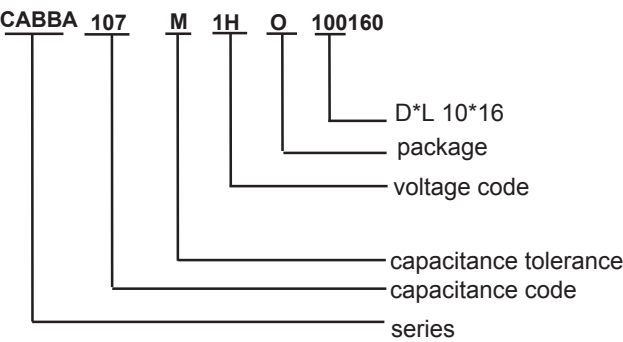
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List of product specifications and technical parameters

C <sub>R</sub> /μF U <sub>R</sub> /V	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	4×7	1.0
0.15											4×7	1.5	4×7	1.5
0.22											4×7	2.3	4×7	2.3
0.33											4×7	3.5	4×7	3.5
0.47											4×7	5.0	4×7	5.0
0.68											4×7	8	4×7	8
1.0									4×7	8	4×7	10	4×7	10
1.5									4×7	10	4×7	13	4×7	13
2.2									4×7	13	4×7	16	4×7	16
3.3							4×7	15	4×7	16	4×7	22	5×7	23
4.7					4×7	20	4×7	20	4×7	22	4×7	26	5×7	30
6.8					4×7	25	4×7	25	4×7	26	5×7	30	6.3×7	35
10					4×7	30	4×7	29	5×7	31	5×7	38	6.3×7	40
15			4×7	28	4×7	35	5×7	35	5×7	40	6.3×7	44		
22	4×7	35	4×7	35	4×7	40	5×7	49	6.3×7	52	8×7	60		
33	4×7	40	4×7	45	5×7	55	6.3×7	60	6.3×7	70	8×7	90		
47	5×7	50	5×7	60	6.3×7	68	6.3×7	80	8×7	95				
68	5×7	60	6.3×7	75	6.3×7	80	8×7	100	<div><div></div><div>Rated ripple current (85℃, 120Hz)</div><div></div><div>Dimensions</div></div>					
100	6.3×7	80	6.3×7	90	8×7	100	8×7	125						
220	8×7	130	8×7	160	8×7	160								
330	8×7	190												

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