

# CAAAA

- Wide temperature products, ultra-long service life of 50 years.
- Military products meet the environmental requirements of vibration and low pressure, and military products can be supplied according to the "seven specialty" level or the "general army" level.
- It is suitable for filtering, coupling and bypass in electronic circuits in aerospace, aviation, alpine, high altitude and ocean.



※Main technical parameters:

project		characteristic				
Operating temperature range		-55°C--+105°C				
Rated voltage range		16V-450V				
Nominal capacitance range		82 μ F-22000 μ F				
Allowable deviation of nominal capacitance (25°C, 120Hz)		M (±20%)				
DC leakage current (25°C, 5min)		$I \leq 0.01 C_R U_R (\mu A)$ ; $C_R$ : Nominal capacitance (μ F) ; $U_R$ : Rated voltage (V)				
Loss tangent tg δ (max) (25°C, 120Hz)		For details, please refer to the "List of Product Specifications and Technical Parameters"				
Temperature characteristics (120 Hz.)	Impedance ratio	$U_R (V)$	16	25-100	160-250	350-450
		$Z_{-55^\circ C} / Z_{+25^\circ C}$	≤5	≤3	≤7	≤12
	Rate of change in capacitance	$(C_{+25^\circ C} - C_{-55^\circ C}) / C_{+25^\circ C} \leq 20\%$				
<b>Durability</b>		The rated voltage with ripple current is applied at 105°C for 5000h, and after recovery for 24h, the electrical performance is tested at room temperature (25°C±5°C), and its electrical performance conforms to:				
		Rate of change in capacitance	≤ ± 20% of the initial value			
		The loss angle tangent tg δ	≤ 200% of the initial specified value			
		DC leakage current	≤ initial prescriptive value			
<b>Store at high temperatures</b>		After storage at 105°C for 1000h, recovery for 24h, and test at room temperature (25°C±5°C), its electrical performance conforms to:				
		Rate of change in capacitance	≤ ± 20% of the initial value			
		The loss angle tangent tg δ	≤ 200% of the initial specified value			
		DC leakage current	≤ 200% of the initial specified value			

Executive standard number: Q/MN118-2016 Seven special standard number: QZJ840634

※Outline drawing and size table (mm)

W×H×L	code	weight (g)
35×16×35	A	33
35×16×50	B	48

※ Outline drawing and size table of mounting ring(mm)

W×H×L	A ±0.5	F ±0.5	W ±0.2
35×16×35	57.5	47.5	35.5
35×16×50			

※ parameters of sheet

Rated Voltage/V	Cap (μF)	W×H×L (mm)	tg δ (120Hz)	Ripple current Arms, 120Hz
16	15000	35×16×35	0.47	4.2
	22000	35×16×50	0.61	4.5
25	8200	35×16×35	0.31	3.0
	15000	35×16×50	0.45	4.8
35	5000	35×16×35	0.22	2.3
	6800	35×16×50	0.25	2.6
	8200	35×16×50	0.28	3.1
50	3300	35×16×35	0.15	2.5
	4700	35×16×35	0.18	2.5
	5000	35×16×50	0.19	3.3
	6800	35×16×50	0.22	3.5
63	2700	35×16×35	0.14	2.2
	3300	35×16×50	0.15	2.7
80	1500	35×16×35	0.12	2.0
	2200	35×16×50	0.13	2.7

Rated Voltage/V	Cap (μF)	W×H×L (mm)	tg δ (120Hz)	Ripple current Arms, 120Hz
100	1000	35×16×35	0.12	1.9
	1500	35×16×50	0.12	2.7
160	560	35×16×35	0.20	1.4
	680	35×16×50	0.20	1.8
200	330	35×16×35	0.20	1.1
	470	35×16×50	0.20	1.2
	560	35×16×50	0.20	1.4
250	270	35×16×35	0.20	0.8
	330	35×16×50	0.20	1.4
	470	35×16×50	0.20	1.6
350	150	35×16×35	0.20	0.7
	220	35×16×50	0.20	1.3
400	100	35×16×35	0.20	0.5
	150	35×16×50	0.20	1.1
450	82	35×16×35	0.20	0.3
	100	35×16×50	0.20	0.7

Part number sample

