



SURFACE MOUNT TYPE ALUMINUM ELECTROLYTIC CAPACITORS

FEATURES

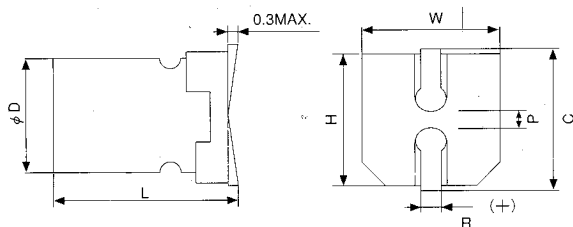
- CAE-FC SERIES REALIZES LOWER PROFILE MODEL OF 4.9MM MAX. HEIGHT THAN STANDARD CV-FS SERIES OF 5.4MM.
- CAE-FC SERIES CONTRIBUTES TOWARD MINIATURIZATION OF ANY PRODUCTS. SOLVENT PROOF (WITHIN 2 MINUTES).



Specifications

Items		Specifications				
Rated voltage (V)		6.3	10	16	25	35
Operating temperature range (°C)		-55 to +105				
Capacitance tolerance (%)		±20 (120Hz)				
Tangent of loss angle (tan δ) (MAX.) (120Hz)		0.24	0.20	0.16	0.14	0.12
Leakage current (L.C.) (μA/after 2min.) (MAX.)		The greater value of either 0.01CV or 3				
Impedance (120Hz) ratio at low temperature (MAX.)	Z _{40°C} /Z _{20°C}	3	2	2	2	2
	Z _{55°C} /Z _{20°C}	5	4	4	3	3
High-temperature load 105°C 1000hrs. rated voltage applied.	ΔC/C	Within ±25% of the initial value				
	tan δ	≤ Twice the initial standard				
	L.C.	≤ The initial standard				
Resistance to soldering heat	Test	Capacitors placed on a 250°C hot plate for 30 seconds with their electrode terminals facing downward will fulfill the following conditions after being cooled to room temperature.				
	ΔC/C	Within ±10% of the initial value				
	tan δ	≤ The initial standard				
	L.C.	≤ The initial standard				
Other characteristics		Conform to IEC 60384-18				

Dimensions



(unit : mm)

D+0.5MAX.	L ^{+0.1} _{-0.2}	W±0.2	H±0.2	C±0.2	R	P±0.2
4	5.4	4.3	4.3	5.0	0.5 to 0.8	1.0
5	5.4	5.3	5.3	6.0	0.5 to 0.8	1.4
6.3	5.4	6.6	6.6	7.3	0.5 to 0.8	2.2

Size List

μF \ V	6.3			10			16			25			35		
0.47													4	6.0	51
1.0													4	3.1	68
2.2													4	2.9	68
3.3													4	2.7	68
4.7										4	2.3	68	4	2.3	68
10							4	2.3	68	5	1.1	105	5	1.1	105
22	4	2.3	68	5	1.1	105	5	1.1	105	6.3	0.6	155	6.3	0.6	155
33	5	1.1	105	5	1.1	105	6.3	0.6	155	6.3	0.6	155			
47	5	1.1	105	6.3	0.6	155	6.3	0.6	155						
100	6.3	0.6	155	6.3	0.6	155	6.3	0.6	155						

Model No.
16CV10GA

Capacitance symbol
Rated voltage

Impedance (Ω) MAX. at 100kHz, 20°C

φ D

Ripple current
mA r.m.s.
(100kHz, 105°C)