



CAIB SERIES: Snap-In & Lug Terminal Types, 85°C



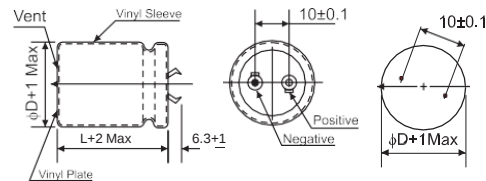
FEATURES

- ◆ Snap-in & Lug 2000 Hrs, 85°C
- ◆ Fail-Safe, will fail open without flame if excessive voltage is applied
- ◆ RoHS Compliant

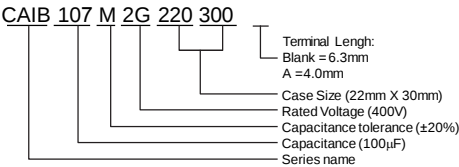
SPECIFICATIONS

Items	Performance							
Operating Temperature Range	-40°C ~ +85°C							
Capacitance Tolerance	+20% (at 120Hz, 20°C)							
Leakage Current (at 20°C)	I = 0.02CV or 1.5 mA whichever is smaller (after 5 minutes) Where, C= rated capacitance in μF. V= rated DC working voltage in V.							
Dissipation Factor (Tan at 120Hz, 20°C)	Rated Voltage	200	250	400	450			
	Tan (max)	0.15	0.15	0.20	0.20			
Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below.							
		Rated Vo	ltage		200	250	400	450
	Impedance Ratio	Z(-25°C)/Z(+20°C)		4	4	8	8	
		Z(-40°C)/Z(+20°C)		8	10	18	20	
Load Life Test	Test Time		2,000 Hrs					
	Capacitance Change		Within +20% of initial value					
	Dissipation Factor		Less than 200% of specified value					
	Leakage Current		Within specified value					
	* The above specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage applied for 2,000 hrs at 85°C							
Shelf Life Test	Test Time		1,000 Hrs					
	Capacitance Change		Within +20% of initial value					
	Dissipation Factor		Less than 150% of specified value					
	Leakage Current		Within specified value					
	* The above specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hrs at 85°C without voltage applied. The rated voltage shall be applied to the capacitors before the measurements (Refer to JIS C 5102)							
Ripple Current & Frequency Multipliers	Freq. (Hz) W. V. (V)	50/60	120	300	1K	10K up		
		Multiplier	0.8	1.0	1.1	1.3		1.4
	Ripple Current & Temperature Multipliers	Temperature (C)	40	60	70	85		
Multiplier		1.8	1.4	1.2	1.0			
Safety Fundtion Test Conditions		1. DC reverse voltage test: The capacitor is shall be connected in reverse polarity, and applied under specified working voltage.						
	2. DC over voltage test: The rated voltage of 1.2 times shall be applied to the capacitor.							
Other Standards	JIS C 5101-4							

SNAP-IN TERMINAL TYPE



PART NUMBER EXAMPLE





CAIB SERIES: Snap-In Lug and Terminal Types, 85°C

DIMENSIONS & PERMISSABLE RIPPLE CURRENT

Dimension: ΦDxL (mm); Ripple Current: A/RMS at 120Hz, 85°C

Cap.	WV DxL	200V (2D)								250V (2E)							
		22		25		30		35		22		25		30		35	
180										22 x 25	1.01						
220	22 x 25	1.15								22 x 30	1.27	25 x 25	1.24				
270	22 x 25	1.30								22 x 35	1.52	25 x 25	1.49				
330	22 x 30	1.44	25 x 25	1.43						22 x 40	1.77	25 x 30	1.62	30 x 25	1.59		
470	22 x 35	1.88	25 x 30	1.86	30 x 25	1.85				22 x 50	2.24	25 x 35	2.05	30 x 30	2.03	35 x 25	2.01
560	22 x 45	2.18	25 x 35	2.16	30 x 25	2.05						25 x 40	2.32	30 x 30	2.24	35 x 25	2.21
680	22 x 50	2.47	25 x 35	2.36	30 x 30	2.36	35 x 25	2.30				25 x 50	2.70	30 x 35	2.58	35 x 30	2.54
820			25 x 45	2.79	30 x 30	2.62	35 x 25	2.53						30 x 40	2.92	35 x 35	2.90
1,000			25 x 50	2.96	30 x 35	3.00	35 x 30	2.96						30 x 45	3.31	35 x 35	3.21
1,200					30 x 40	3.44	35 x 35	3.40								35 x 40	3.56
1,500					30 x 50	3.93	35 x 40	3.87								35 x 50	4.26
1,800							35 x 45	4.37									

Cap.	WV DxL	400V (2G)								450V (2W)							
		22		25		30		35		22		25		30		35	
47										22 x 25	0.62						
68										22 x 30	0.80	25 x 25	0.77				
82	22 x 25	0.80								22 x 30	0.87	25 x 25	0.85				
100	22 x 30	0.94	25 x 25	0.97						22 x 35	1.00	25 x 30	1.05	30 x 25	1.09		
120	22 x 35	1.12	25 x 25	1.08						22 x 40	1.15	25 x 30	1.09	30 x 25	1.10		
150	22 x 40	1.25	25 x 30	1.21	30 x 25	1.24				22 x 45	1.25	25 x 35	1.27	30 x 30	1.32	35 x 25	1.35
180	22 x 45	1.40	25 x 35	1.37	30 x 25	1.45						25 x 40	1.45	30 x 30	1.43	35 x 25	1.39
220	22 x 50	1.56	25 x 40	1.62	30 x 30	1.58	35 x 25	1.60				25 x 45	1.65	30 x 35	1.63	35 x 30	1.61
270			25 x 45	1.76	30 x 35	1.73	35 x 30	1.75						30 x 45	1.95	35 x 35	1.86
330					30 x 40	1.97	385 x 30	1.95						30 x 45	2.10	35 x 35	2.06
390					30 x 45	2.22	35 x 35	2.17						30 x 50	2.24	35 x 45	2.34
470					30 x 50	2.40	35 x 40	2.42								35 x 50	2.63
560							35 x 45	2.71									