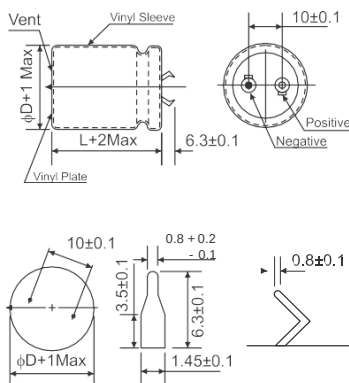
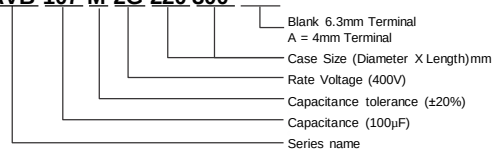


CAVB SERIES: Snap-In, 105°C**FEATURES**

- ◆ Has a snap-in terminal which can solder to PCB directly and need not fixture to save processing time.
- ◆ Suitable for electronic equipment with medium-high voltage circuits. Printed circuit board terminal snap-in type and lug terminal type available.
- ◆ 3,000 Hour Life

SPECIFICATIONS

Item	Performance															
Operating Temp. Range	-40°C ~ +105°C															
Capacitance Tolerance	±20% (at 120Hz, 20°C)															
Leakage Current (at 20°C)	I=0.02CV or 1.5mA whichever is smaller (after 5 minutes) Where, C=rated capacitance in F. V=rated DC working voltage.															
Dissipation Factor (Tan at 120Hz, 20°C)	Rated Voltage	16	25	35	50	63	100	160	200	250	350	400	450			
	Tan (max)	0.40	0.30	0.25	0.20	0.15	0.10*	0.15	0.10*	0.10*	0.15	0.15	0.15			
	*0.15 for D=35mm															
Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below.															
	Rated Voltage			16	25	35	50	63	100	160	200	250	350	400	450	
	Impedance Ratio	Z(-25°C) / Z(+20°C)			4	3	3	2	2	2	4	4	4	4	8	8
		Z(-40°C) / Z(+20°C)			15	10	8	6	6	5	4	8	10	16	18	20
Load Life Test	Test Time		3000 hours													
	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 3000hrs at 105°C															
Shelf Life Test	Test Time		1000 hours													
	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 1000 hrs at 105°C without voltage applied.															
Ripple Current & Frequency Multipliers	WV (V)	Freq (Hz)		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	105									
	Multiplier		2.5	2.2	2.0	1.8	1.0									
Standards	Satisfies Characteristics W of JIS C 5141															

SNAP-IN TERMINAL TYPE**PART NUMBER EXAMPLE****CAVB 107 M 2G 220 300**

CAVB SERIES: Snap-In, 105°C



DIMENSIONS & PERMISSABLE RIPPLE CURRENT

Dimension: $\Phi D \times L$ (mm); Ripple Current: A/RMS at 120Hz, 105°C

VDC		16V (1C)				25V (1E)				35V (1V)				50V (1H)			
μF	Code	$\Phi D=22$	25	30	35	22	25	30	35	22	25	30	35	22	25	30	35
1500	158											Dimension=> Ripple Current=>		22 x 25 1.22			
1800	188																
2200	228									22 x 25 1.14				22 x 30 1.59	25 x 25		
3300	338					22 x 25 1.25				22 x 30 1.51	25 x 25			22 x 35 1.93	25 x 30	30 x 25	
4700	478	22 x 25 1.3				22 x 30 1.61	25 x 25 1.61			22 x 25 1.92	25 x 30	30 x 25		22 x 45 2.43	25 x 35	30 x 30	35 x 25
6800	688	22 x 35 1.8	25 x 30			22 x 35 1.91	25 x 30 1.91	30 x 25		22 x 45 2.31	25 x 40	30 x 30	35 x 25		25 x 45	30 x 35	35 x 30
10000	109	22 x 45 2.34	25 x 35	30 x 25		22 x 45 1.43	25 x 30 2.4	30 x 30	35 x 25 2.42		25 x 45	30 x 35	35 x 30			30 x 45	35 x 40
15000	159		25 x 45	30 x 35	35 x 30		25 x 45 3.12	30 x 35	35 x 30 3.11			30 x 45	35 x 40				
22000	229			30 x 35	35 x 35			30 x 45	35 x 40 3.85				35 x 45				

VDC		63V (1J)				80V (1K)				100V (2A)				160V (2C)			
μF	Code	$\Phi D=22$	25	30	35	22	25	30	35	22	25	30	35	22	25	30	35
330	337											Dimension=> Ripple Current=>		25 x 25 0.98			
390	397													22 x 30 1.1	25 x 25		
470	477													22 x 30 1.21	25 x 25		
560	567													22 x 35 1.4	25 x 30	30 x 25	
680	687													22 x 40 1.62	25 x 35	30 x 25	
820	827													22 x 45 1.86	25 x 40	30 x 30	30 x 25
1000	108	22 x 25 1.09				22 x 30 1.17	25 x 25 1.17			22 x 30 1.36	25 x 25				25 x 45	30 x 35	30 x 25
1200	128															30 x 35	35 x 30
1500	158	22 x 30 1.44	25 x 25			22 x 35 1.54	25 x 30 1.54	30 x 25		22 x 40 1.82	25 x 35	30 x 25				30 x 35	35 x 35
1800	188															30 x 45	35 x 40
2200	228	22 x 35 1.7	25 x 30	30 x 25			25 x 35 1.94	30 x 30	35 x 25 1.94		25 x 45	30 x 35	35 x 30				
3300	338	22 x 45 2.19	25 x 40	30 x 30	35 x 25			30 x 40	35 x 30 2.18			30 x 45	35 x 35				
4700	478			30 x 35	35 x 30				35 x 40 3.08				35 x 45				
6800	688			30 x 45	35 x 40												
8200	828				35 x 45												

CAVB SERIES: Snap-In, 105°C



DIMENSIONS & PERMISSABLE RIPPLE CURRENT

Dimension: Φ DxL (mm); Ripple Current: A/RMS at 120Hz, 105°C

VDC		200V (2D)				250V (2E)				350V (2V)				400V (2G)			
μ F	Code	Φ D=22	25	30	35	22	25	30	35	22	25	30	35	22	25	30	35
68	686											Dimension => Ripple Current=>		22 x 25 0.52			
82	826									22 x 25 0.47				22 x 30 0.6	25 x 25 0.6		
100	107									22 x 30 0.56	25 x 25 0.55			22 x 30 0.67	25 x 25 0.66		
120	127									22 x 35 0.72	25 x 25 0.6			22 x 35 0.78	25 x 30 0.77	30 x 25 0.78	
150	157									22 x 40 0.83	25 x 30 0.72	30 x 25 0.72		22 x 40 0.91	25 x 35 0.91	30 x 30 0.92	
180	187										25 x 35 0.83	30 x 30 0.84		22 x 45 1.04	25 x 40 1.04	30 x 30 1.01	35 x 25 1.01
220	227	22 x 25 0.92				22 x 30 1.0	25 x 25 0.98				25 x 40 0.96	30 x 35 1.09	35 x 25 0.93		25 x 45 1.21	30 x 35 1.18	35 x 30 1.18
270	277	22 x 25 1.03				22 x 35 1.16	25 x 25 1.08				25 x 45 1.12	30 x 40 1.26	35 x 30 1.09		25 x 50 1.4	30 x 40 1.37	35 x 30 1.31
330	337	22 x 30 1.21	25 x 25 1.20			22 x 35 1.28	25 x 30 1.27	30 x 25 1.28				30 x 45 1.43	35 x 30 1.2			30 x 45 1.57	35 x 35 1.52
390	397	22 x 35 1.39	25 x 25 1.31			22 x 40 1.48	25 x 35 1.46	30 x 25 1.39					35 x 35 1.38				35 x 40 1.73
470	477	22 x 40 1.62	25 x 30 1.52	30 x 25 1.54			25 x 40 1.69	30 x 30 1.63	35 x 25 1.62				35 x 40 1.58				35 x 45 1.97
560	567	22 x 45 1.85	25 x 35 1.75	30 x 30 1.78			25 x 45 1.93	30 x 35 1.87	35 x 25 1.78				35 x 45 1.79				
680	687	22 x 45 2.04	25 x 40 2.04	30 x 30 1.96	35 x 25 1.96			30 x 35 2.06	35 x 30 2.06								
820	827		25 x 45 2.34	30 x 35 2.27	35 x 30 2.27			30 x 45 2.48	35 x 35 2.41								
1000	108			30 x 40 2.63	35 x 30 2.51				35 x 40 2.76								
1200	128			30 x 45 3.00	35 x 35 3.42				35 x 45 3.14								
1500	158			30 x 50 3.36	35 x 35 3.42				35 x 45 3.14								
1800	188			30 x 60 3.64	35 x 45 3.51				35 x 60 3.97								

VDC		420V (2P)				450V (2W)			
μ F	Code	Φ D=22	25	30	35	22	25	30	35
47	476	22 x 25 0.38				22 x 25 0.42			
68	686	22 x 25 0.48				22 x 30 0.55	25 x 25 0.54		
82	826	22 x 25 0.53	25 x 25 0.54			22 x 35 0.64	25 x 30 0.64		
100	107	22 x 30 0.63	25 x 25 0.63			22 x 40 0.74	25 x 35 0.74	30 x 25 0.71	
120	127	22 x 35 0.74	25 x 30 0.78	30 x 25 0.70		22 x 45 0.85	25 x 35 0.80	30 x 30 0.82	35 x 25 0.82
150	157	22 x 40 0.87		30 x 75 0.80		22 x 45 0.92	25 x 35 0.89	30 x 30 0.93	35 x 25 0.95
180	187	22 x 45 0.93	25 x 35 0.90	30 x 30 0.98		22 x 50 1.06	25 x 40 1.03	30 x 30 1.01	35 x 35 1.04
220	227		25 x 45 1.01	30 x 35 1.05	35 x 25 0.97			30 x 35 1.08	35 x 30 1.22
270	277		25 x 50 1.17	30 x 40 1.22	35 x 30 1.15			30 x 40 1.17	35 x 35 1.43
330	337			30 x 45 1.37	35 x 35 1.35				35 x 35 1.64
390	397			30 x 50 1.56	35 x 40 1.55				35 x 40 1.54
470	477			30 x 60 1.76	35 x 45 1.7				35 x 50 1.85
560	567				35 x 50 1.44				35 x 50 2.02