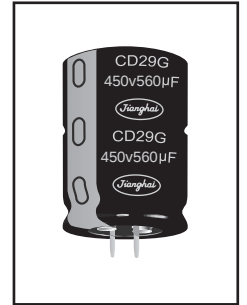
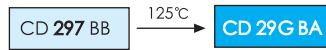


25V~63V: 5000h at 125℃
400V~450V: 3000h at 125℃

- Long Life at High Temperature
- High Ripple Current
- Professional Power Supplies



SNAP-IN/LUG

Items	Characteristics						
Operating Temperature Range (°C)	-40 ~ +125				-25 ~ +125		
Voltage Range (V)	25 ~ 63				400、450		
Capacitance Range (μF)	56 ~ 18000						
Capacitance Tolerance (20°C, 120Hz)	± 20%						
Leakage Current (μA)	After 5 minutes at 20°C application of rated voltage, leakage current is not more than 0.01CV or 1.5mA, whichever is smaller. C: Nominal Capacitance (μF) V: Rated Voltage (V)						
Dissipation Factor (20°C, 120Hz)	Rated Voltage (V)	25	35	50	63	400	450
	Tan δ (max)	0.20	0.15	0.10	0.10	0.20	
Resistance to vibrations	Condition1: Snap-in type with 3 terminals, the capacitor shall be clamped by its body. Frequency range: 10-2000Hz Amplitude: 0.75mm Acceleration max: 10g Duration: 3x2 hours Condition2: Frequency range: 10-55Hz Amplitude: 0.75mm Duration: 3x4hours						

	Useful Life		Load Life	Endurance Test	Shelf Life		
Lifetime	25~63v: 10000h 400~450v: 5000h	≥300000h	25~63v: 5000h 400~450v: 3000h	25~63v: 5000h 400~450v: 2000h	1000h	25~63v: 4000h	25~63v: 10years
Leakage Current	Not more than specified value		Not more than specified value	Not more than specified value	Not more than specified value		
Capacitance Change	Within ± 30% of initial value		Within ± 20% of initial value	Within ± 20% of initial value	Within ± 20% of initial value		
Dissipation Factor	Not more than 300% of specified value		Not more than 200% of specified value	Not more than 200% of specified value	Not more than 200% of specified value		
Condition: Applied Voltage Applied Current Applied Temperature	U_R I_R 125°C	U_R $1.4 \times I_R$ 60°C	U_R I_R 125°C	U_R $I_R = 0$ 125°C	$U_R = 0$ $I_R = 0$ 125°C $U_R = 0$ $I_R = 0$ 105°C $U_R = 0$ $I_R = 0$ 40°C After test: U_R to be applied for 30min, >24h before measurement		

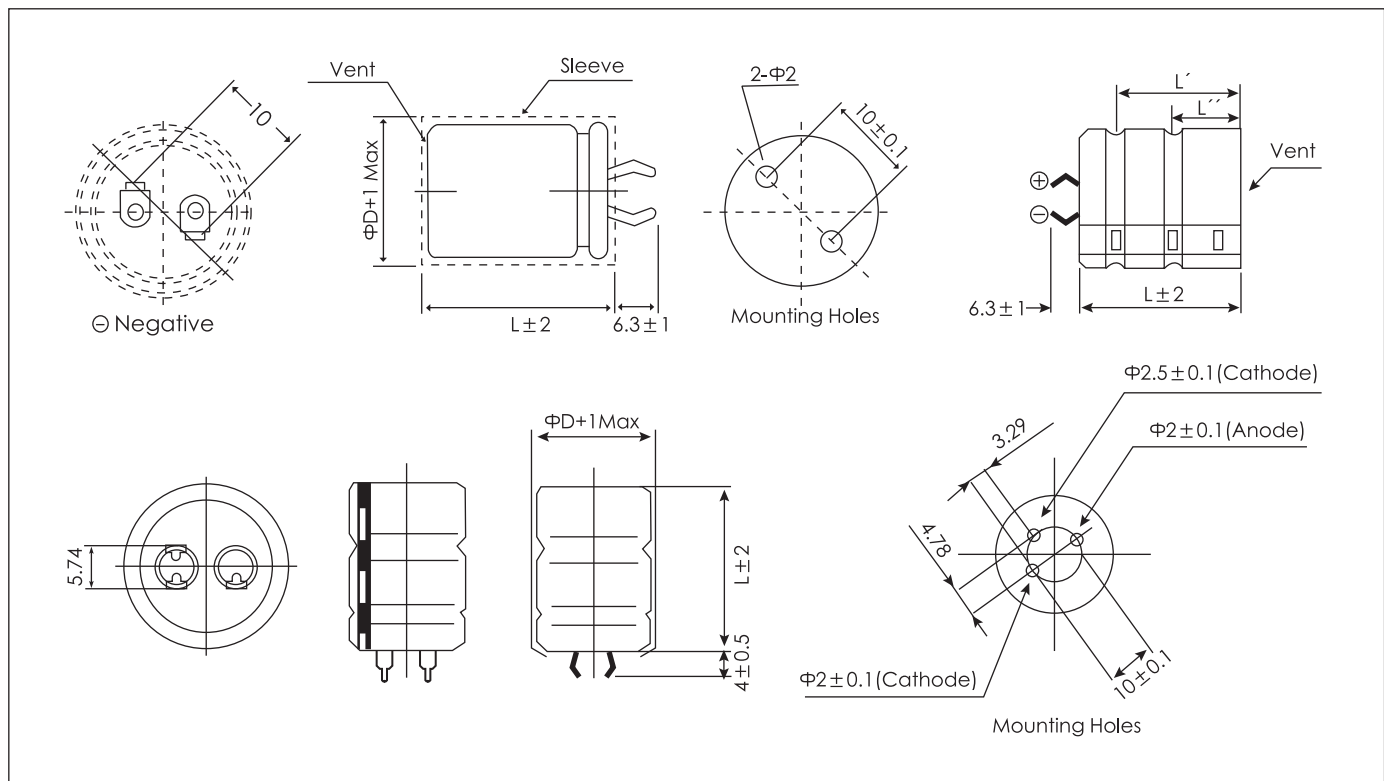
Frequency Coefficient

Frequency (Hz)	50/60	120	300	1K	≥10K
25~63v	0.56	0.7	0.83	0.92	1.00
400、450v	0.85	1.0	1.16	1.30	1.41

Temperature Coefficient

Temperature(°C)	+60	+85	+105	+125
25~450v	2.3	2.0	1.7	1.0

Dimensions



Ratings for CD 29G BA Series

U_r (Surge Voltage) Code	Rated Capacitance	Max ESR 20°C, 120Hz	Max ESR 20°C, 10kHz	Rated Ripple Current 125°C, 10kHz	Size $\Phi D \times L$	P/N
(V)	(μF)	(m Ω)	(m Ω)	(Arms)	(mm)	-
25 (32) 1E	3900	34	32	4.5	25 × 35	ECS1EBA392M□□250035
	5600	27	23	5.3	25 × 40	ECS1EBA562M□□250040
	6800	19	15	6.9	25 × 40	ECS1EBA682M□□250040
	10000	14	12	8.8	25 × 50	ECS1EBA103M□□250050
	12000	12	11	9.6	30 × 50	ECS1EBA123M□□300050
	18000	11	10	9.7	35 × 50	ECS1EBA183M□□350050
35 (44) 1V	2200	45	32	4.5	25 × 35	ECS1VBA222M□□250035
	3300	31	24	5.0	22 × 40	ECS1VBA332M□□220040
	3900	22	15	7.0	25 × 40	ECS1VBA392M□□250040
	5600	16	11	9.1	25 × 50	ECS1VBA562M□□250050
	6800	14	11	9.5	30 × 50	ECS1VBA682M□□300050
	10000	12	10	10.1	35 × 50	ECS1VBA103M□□350050
50 (63) 1H	1000	70	40	4.0	25 × 35	ECS1HBA102M□□250035
	1800	37	24	5.0	25 × 35	ECS1HBA182M□□250035
	2700	24	15	6.9	25 × 40	ECS1HBA272M□□250040
	3900	18	12	8.8	25 × 50	ECS1HBA392M□□250050
	5600	15	11	9.8	30 × 50	ECS1HBA562M□□300050
	6800	13	11	9.9	35 × 50	ECS1HBA682M□□350050
63 (79) 1J	1000	60	40	3.0	25 × 35	ECS1JBA102M□□250035
	1500	39	23	4.9	25 × 35	ECS1JBA152M□□250035
	2200	26	15	6.9	25 × 40	ECS1JBA222M□□250040
	2700	21	12	8.8	25 × 50	ECS1JBA272M□□250050
	3900	16	11	9.5	30 × 50	ECS1JBA392M□□300050
	5600	13	11	9.8	35 × 50	ECS1JBA562M□□350050

Customer products are available on request.

Ratings for CD 29G BA Series

U _R (Surge Voltage) Code	Rated Capacitance	Max ESR 20°C, 120Hz	Typ ESR 20°C, 120Hz	Rated Ripple Current 125°C, 120Hz	Size ΦD x L	P/N
(V)	(μF)	(mΩ)	(mΩ)	(Arms)	(mm)	-
400 (450) 2G	270	983	688	1.23	30x30	ECS2GBA271M □□300030
	330	804	676	1.43	30x35	ECS2GBA331M □□300035
		804	676	1.49	35x30	ECS2GBA331M □□350030
	390	680	476	1.60	30x40	ECS2GBA391M □□300030
		680	476	1.65	30x45	ECS2GBA391M □□300045
		680	476	1.64	35x35	ECS2GBA391M □□350035
	470	565	316	1.82	30x50	ECS2GBA471M □□300050
		565	316	1.83	35x40	ECS2GBA471M □□350040
	560	474	221	2.05	30x55	ECS2GBA561M □□300055
		474	221	2.12	30x60	ECS2GBA561M □□300060
		474	221	2.15	35x45	ECS2GBA561M □□350045
	680	390	273	2.35	35x50	ECS2GBA681M □□350050
		390	273	2.43	35x55	ECS2GBA681M □□350055
	820	324	227	2.68	35x60	ECS2GBA821M □□350060
	220	1206	844	1.11	30x30	ECS2WBA221M □□300030
450 (500) 2W	270	983	688	1.28	30x35	ECS2WBA271M □□300035
		983	688	1.32	30x40	ECS2WBA271M □□300040
		983	688	1.33	35x30	ECS2WBA271M □□350030
	330	804	563	1.48	25x60	ECS2WBA331M □□250060
		804	563	1.49	30x45	ECS2WBA331M □□300045
		804	563	1.52	35x35	ECS2WBA331M □□350035
	390	680	476	1.67	30x50	ECS2WBA391M □□300050
		680	476	1.73	35x40	ECS2WBA391M □□350040
		565	395	2.20	28x60	ECS2WBA471M □□280060
	470	565	395	2.22	30x60	ECS2WBA471M □□300060
		565	395	1.95	35x45	ECS2WBA471M □□350045
		474	332	2.35	35x50	ECS2WBA561M □□350050
	560	474	332	2.38	35x55	ECS2WBA561M □□350055
		390	273	2.45	35x60	ECS2WBA681M □□350060

Customer products are available on request.