CD288/CD288H SERIES

ALUMINUM ELECTROLYTIC CAPACITORS

- Load life of 1000 hours at 85℃
- CD 288H: Load life of 1000 hours at 105℃
- High frequency and low impedance

■ SPECIFICATIONS

Item	Characteristics	
Operating Temperature Range(℃)	-40~+85(CD288H: -40~+105)	-25~+85(CD288H: -25~+105)
Rated Voltage Range (V)	10~100	160~250
Nominal capacitance range (μF)	4.7~3300	
Capacitance Tolerance(20℃,120Hz)	±20%	
Leakage current (μA)	I≤0.01CV (at 20℃ ,after 2minutes)	I≤0.03CV (at 20℃ ,after 2minutes)
	C: Nominal Capacitance (μF) V: Rated Voltage (V)	

Dissipation Factor(20℃,120Hz)

Rated Voltage (V)	10	16	25	35	50	63	100	160~250
tanδ	0.20	0.16	0.14	0.12	0.10	0.09	0.08	0.15

when nominal capacitance is over 1000uF tanδ shall be added 0.02 to the listed value with increase of every 1000μF

Temperature Stability(120Hz)

Rated voltage (v)		10~16	25~100	160	250
Impedance Ratio	Z-40℃/Z+20℃	5	4	-	-
	Z-25℃/Z+20℃	-	-	4	7

Load Life(+85℃, CD288H:+105℃)

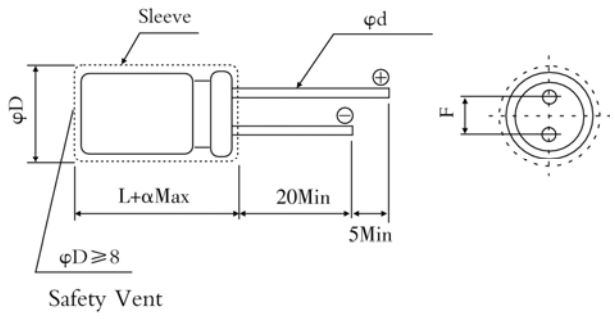
Time	1000 hours.
Leakage Current	Not more than the specified value.
Capacitance Change	Within ±20% of the initial value.
Dissipation Factor	Not more than 200% of the specified value.

Shelf Life(+85℃, CD288H:+105℃)

Time	500 hours.
Leakage Current	Not more than the specified value.
Capacitance Change	Within ±20% of the initial value.
Dissipation Factor	Not more than 200% of the specified value.

After test: Rated voltage to be applied for 30 minutes, 24 to 48 hours before measurement.

■ DIMENSIONS MM



Lead spacing and diameter

ΦD±1.0	12.5	16	18
F±0.5	5.0	7.5	7.5
Φd±0.1	0.6	0.8	
a	0~+2.0		

■ STANDARD RATINGS

WV(V)	10		16		25		35		50		63	
Cap (μF)	Size ΦDxL (mm)	Impedance Z(Ω) 100KHz	Size ΦDxL (mm)	Impedance Z(Ω) 100KHz	Size ΦDxL (mm)	Impedance Z(Ω) 100KHz	Size ΦDxL (mm)	Impedance Z(Ω) 100KHz	Size ΦDxL (mm)	Impedance Z(Ω) 100KHz	Size ΦDxL (mm)	Impedance Z(Ω) 100KHz
100	-	-	-	-	-	-	-	-	-	-	12.5X20	0.540
150	-	-	-	-	-	-	-	-	12.5X20	0.410	12.5X25	0.360
220	-	-	-	-	-	-	12.5X20	0.350	12.5X25	0.280	16X25	0.245
330	-	-	-	-	12.5X20	0.280	12.5X25	0.230	16X25	0.185	16X31.5	0.160
470	-	-	12.5X20	0.245	12.5X25	0.200	12.5X25	0.160	16X31.5	0.130	16X35.5	0.115
680	12.5X20	0.200	12.5X25	0.170	16X25	0.135	16X25	0.110	16X35.5	0.092	18X35.5	0.080
1000	12.5X25	0.140	16X25	0.125	16X25	0.090	16X35.5	0.080	18X35.5	0.060	18X40	0.055
1500	16X25	0.090	16X31.5	0.080	16X35.5	0.060	18X35.5	0.050	18X40	0.040	-	-
2200	16X31.5	0.065	16X35.5	0.050	18X35.5	0.040	18X40	0.035	-	-	-	-
3300	16X35.5	0.042	18X35.5	0.035	18X40	0.030	-	-	-	-	-	-

WV(V)	100		160		250	
Cap(μF)	Size ΦDxL(mm)	Impedance Z(Ω)100KHz	Size ΦDxL(mm)	Impedance Z(Ω)100KHz	Size ΦDxL(mm)	Impedance Z(Ω)100KHz
4.7	-	-	-	-	12.5X20	24.47
6.8	-	-	-	-	12.5X20	16.91
10	-	-	-	-	12.5X20	11.54
15	-	-	12.5X20	5.13	12.5X25	7.69
22	-	-	12.5X25	3.50	16X25	5.22
33	-	-	16X25	2.33	16X3.15	3.48
47	12.5X20	1.63	16X31.5	1.64	16X35.5	2.44
68	12.5X25	1.13	16X35.5	1.13	18X35.5	1.69
100	16X25	0.77	18X35.5	0.77	-	-
150	16X31.5	0.51	18X40	0.51	-	-
220	16X35.5	0.35	-	-	-	-
330	18X35.5	0.23	-	-	-	-
470	18X40	0.16	-	-	-	-

■ The specific capacitance and case size are available on request.