CD288H SERIES

ALUMINUM ELECTROLYTIC CAPACITORS

- Load life of 1000 hours at 105°C
- High frequency and low impedance, wide temperature.

- **SPECIFICATIONS**

Item	Characteristics	
Operating Temperature Range(°C)	-40~+105	-25~+105
Rated Voltage Range (V)	10~100	160~250
Nominal capacitance range (uF)	4.7~3300	
Capacitance Tolerance(20°C,120Hz)	+/-20%	
Leakage current (uA)	I<=0.01CV (at 20°C ,after 2minutes) C: Nominal Capacitance (uF) V: Rated Voltage (V)	I<=0.03CV (at 20°C ,after 2minutes) C: Nominal Capacitance (uF) V: Rated Voltage (V)

Dissipation Factor(20°C,120Hz)

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

when nominal capacitance is over 1000uF D.F. shall be added 0.02 to the listed value with increase of every 1000 uF

Temperature Stability(120Hz)

Rated Voltage (V)		10~16	25~100	160	250
Impedance Ratio	Z-40°C/Z+20°C	5	4	-	-
	Z-25°C/Z+20°C	-	-	4	7

Load Life(+105°C)

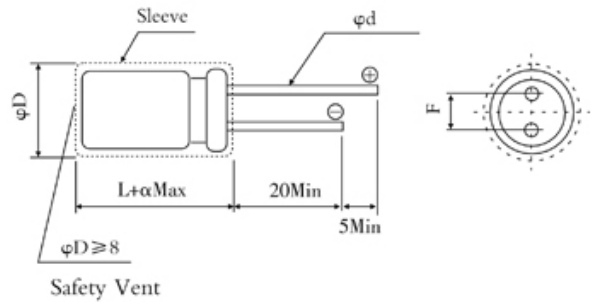
Time	1000 hours.
Leakage Current	Not more than the specified value.
Capacitance Change	Within +/-20% of the initial value.
Dissipation Factor	Not more than 200% of the specified value.

Shelf Life(+105°C)

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

D+/-1.0	12.5	16	18
F+/-0.5	5.0	7.5	7.5
d+/-0.1	0.6	0.8	
a	0~+2.0		

▪ STANDARD RATINGS

WV	10		16		25		35		50		63	
Cap (uF)	Size DxL(mm)	Impedance Z(Ohm)100KHz	Size DxL(mm)	Impedance Z(Ohm)100KHz	Size DxL(mm)	Impedance Z(Ohm)100KHz	Size DxL(mm)	Impedance Z(Ohm)100KHz	Size DxL(mm)	Impedance Z(Ohm)100KHz	Size DxL(mm)	Impedance Z(Ohm)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	
	Size	Impedance	Size	Impedance	Size	Impedance
Cap(uF)	DxL(mm)	Z(Ohm)100KHz	DxL(mm)	Z(Ohm)100KHz	DxL(mm)	Z(Ohm)100KHz
4.7					12.5X20	24.470
6.8					12.5X20	16.910
10					12.5X20	11.540
15			12.5X20	5.130	12.5X25	7.690
22			12.5X25	3.500	16X25	5.220
33			16X25	2.330	16X3.15	3.480
47	12.5X20	1.630	16X31.5	1.640	16X35.5	2.440
68	12.5X25	1.130	16X35.5	1.130	18X35.5	1.690
100	16X25	0.770	18X35.5	0.770		
150	16X31.5	0.510	18X40	0.510		
220	16X35.5	0.350				
330	18X35.5	0.230				
470	18X40	0.160				

The specific capacitance and case size are available on request.