CD265 SERIES

ALUMINUM ELECTROLYTIC CAPACITORS

- Load life of 1000 hours at 125℃

■SPECIFICATIONS

Item	Characteristics
Operating Temperature Range(℃)	-40~+125
Rated Voltage Range (V)	10~100
Nominal capacitance range (μF)	0.47~1000
Capacitance Tolerance(20℃,120Hz)	±20%
Leakage current (μA)	I≤0.02CV or 2μA whichever is greater. (at 20℃, after 2 minutes) C: Nominal Capacitance (μF) V: Rated Voltage (V)
Dissipation Factor(20℃,120Hz)	
Temperature Stability(120Hz)	
Load Life(+125℃)	
Shelf Life(+125℃)	

Rated voltage (V)	10	16	25	35	50	63	100
tanδ	0.20	0.17	0.17	0.12	0.10	0.10	0.10

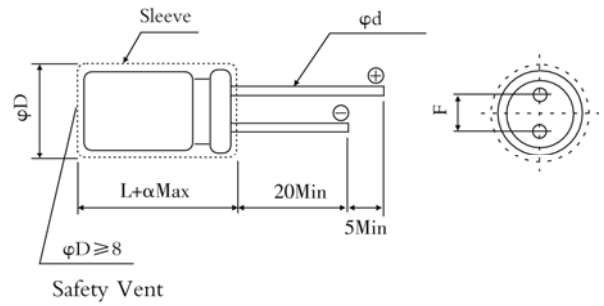
Rated Voltage (V)		10	16	25	35	50	63	100
Impedance Ratio	Z-25℃/Z+20℃	2	2	2	2	2	2	2
	Z-40℃/Z+20℃	8	6	4	4	4	4	3

Time	1000 hours
Leakage Current	Not more than the specified value.
Capacitance Change	Within ±15% of the initial value.
Dissipation Factor	Not more than 150% of the specified value.

Time	500 hours
Leakage Current	Not more than the specified value.
Capacitance Change	Within ±15% of the initial value.
Dissipation Factor	Not more than 150% 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	±0.5	±1.0		
	8	10	12.5	16
F±0.5	3.5	5.0	5.0	7.5
Φd±0.1	0.6	0.6	0.6	0.8
a	0~+2.0			

■ MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Freq(Hz) / Cap(μF)	50,60	120	500	1K	≥10K
0.47~47	0.8	1.0	1.2	1.3	1.5
100~1000	0.8	1.0	1.1	1.15	1.2

■ STANDARD RATINGS

WV(V)	10		16		25		35		50		63		100	
Cap(μF)	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
	ΦDxL(mm)	(mA)	ΦDxL(mm)	(mA)	ΦDxL(mm)	(mA)	ΦDxL(mm)	(mA)	ΦDxL(mm)	(mA)	ΦDxL(mm)	(mA)	ΦDxL(mm)	(mA)
0.47	-	-	-	-	-	-	-	-	8x11.5	3.6	-	-	8x11.5	4.8
1	-	-	-	-	-	-	-	-	8x11.5	9	-	-	8x11.5	12
2.2	-	-	-	-	-	-	-	-	8x11.5	18	-	-	8x11.5	24
3.3	-	-	-	-	-	-	-	-	8x11.5	27	8x11.5	30	10x12.5	33
4.7	-	-	-	-	-	-	-	-	8x11.5	33	8x11.5	36	10x12.5	39
10	-	-	-	-	-	-	-	-	8x11.5	51	8x11.5	54	10x20	57
22	-	-	-	-	-	-	8x11.5	72	10x12.5	90	10x12.5	96	12.5x25	102
33	-	-	-	-	8x11.5	72	10x12.5	102	10x12.5	114	10x16	126	16x25	150
47	-	-	8x11.5	81	8x11.5	87	10x12.5	120	10x16	150	10x20	171	16x25	192
100	8x11.5	105	10x12.5	141	10x16	165	10x20	222	12.5x20	282	12.5x25	306	-	-
220	10x16	207	10x20	261	10x20	279	12.5x25	405	16x25	510	16x25	525	-	-
330	10x16	252	12.5x20	360	12.5x25	420	16x25	573	16x25	642	-	-	-	-
470	10x20	342	12.5x25	462	16x25	573	16x31.5	762	-	-	-	-	-	-
1000	16x25	708	16x25	774	-	-	-	-	-	-	-	-	-	-

■ Ripple Current: 125℃,100 or 120Hz

The specific capacitance and case size are available on request.