CD269 SERIES

ALUMINUM ELECTROLYTIC CAPACITORS

- Load life of 2000 hours at 125℃
- Wide temperature, Long life

■ SPECIFICATIONS

Item	Characteristics	
Operating Temperature Range(℃)	-40~+125	
Rated Voltage Range (V)	10~63	100~350
Nominal capacitance range (μF)	47~3300	0.47~100
Capacitance Tolerance(20℃,120Hz)	±20%	
Leakage current (μA)	I≤0.04CV (at 20℃, after 2 minutes)	I≤0.02CV+15μA （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	200~350
tanδ	0.20	0.16	0.14	0.12	0.10	0.09	≤0.20

Load Life(+125℃)

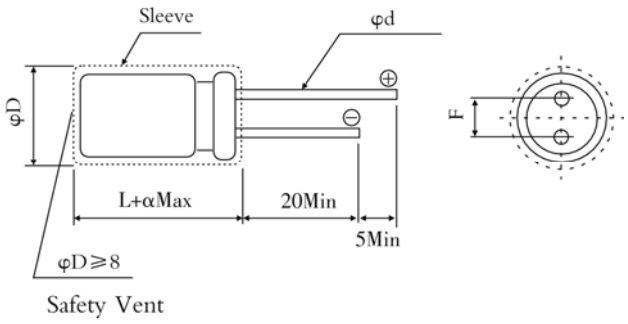
Time	2000 hours
Leakage Current	Not more than the specified value.
Capacitance Change	Within ±20% of the initial value.
Dissipation Factor	Not more than 200% of the specified value.

Shelf Life(+125℃)

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	±0.5			±1.0		
	6.3	8	10	12.5	16	18
F±0.5	2.5	3.5	5.0	5.0	7.5	7.5
Φd±0.1	0.5	0.6	0.6	0.6	0.8	0.8
a	0~+1.0					

■ MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Freq(Hz) / Cap(μF)	120	1K	10K	100K
0.47~100	0.40	0.75	0.90	1.00
220~330	0.50	0.85	0.95	1.00
470~1000	0.60	0.88	0.96	1.00
2200~3300	0.75	0.90	0.98	1.00

■ STANDARD RATINGS

WV(V)	10			16			25		
Cap(μF)	Size	Impedance	Ripple/100KHz	Size	Impedance	Ripple/100KHz	Size	Impedance	Ripple/100KHz
	ΦDxL(mm)	Z(Ω)	(mA)	Z(Ω)	ΦDxL(mm)	(mA)	ΦDxL(mm)	Z(Ω)	(mA)
220	-	-	-	8X12	0.33	340	8X15	0.23	480
330	8X12	0.33	340	10X12.5	0.24	500	10X16	0.2	630
470	10X12.5	0.24	500	10X16	0.2	630	10X20	0.12	770
1000	10X20	0.12	770	12.5X20	0.075	920	12.5X25	0.06	1250
2200	12.5X25	0.061	1250	16X25	0.05	1380	-	-	-
3300	16X25	0.05	1380	-	-	-	-	-	-

WV(V)	35			50			63		
Cap(μF)	Size	Impedance	Ripple/100KHz	Size	Impedance	Ripple/100KHz	Size	Impedance	Ripple/100KHz
	ΦDxL(mm)	Z(Ω)	(mA)	ΦDxL(mm)	Z(Ω)	(mA)	Z(Ω)	ΦDxL(mm)	(mA)
47	-	-	-	-	-	-	8X12	0.68	245
100	8X12	0.33	340	10X12.5	0.36	420	10X16	0.38	425
220	10X16	0.2	630	10X20	0.20	655	12.5X20	0.18	665
330	10X20	0.12	770	12.5X20	0.12	780	12.5X25	0.14	900
470	12.5X20	0.075	920	12.5X25	0.10	1060	-	-	-
1000	16X25	0.05	1380	-	-	-	-	-	-

WV(V)	100		200		250		350	
Cap(μF)	Size	Ripple/100Hz	Size	Ripple/100Hz	Size	Ripple/100Hz	Size	Ripple/100Hz
	ΦDxL(mm)	(mA)	ΦDxL(mm)	(mA)	ΦDxL(mm)	(mA)	ΦDxL(mm)	(mA)
0.47	5x11	8	6.3x11	8	6.3X11	8	-	-
1	5x11	12	6.3x11	12	6.3X11	12	8X11.5	12
2.2	6.3x11	15	6.3x11	16	8X11.5	20	10X12.5	24
3.3	8x11.5	22	8x11.5	28	10X16	28	10X16	28
4.7	8x11.5	26	10X16	40	10X16	32	10X16	36
10	10 x 12.5	46	12.5X20	60	12.5X20	60	12.5X20	60
22	10 x 20	78	12.5X20	96	12.5X25	112	12.5X25	112
33	12.5x20	123	16X20	152	16X25	136	16X31.5	160
47	12.5x25	152	16X20	176	18X35.5	192	18X35.5	208
100	16x25	228	18X31.5	244	-	-	-	-

■ Ripple Current: 125℃, Impedance: 20℃, 100KHz

The specific capacitance and case size are available on request.