CD261 SERIES

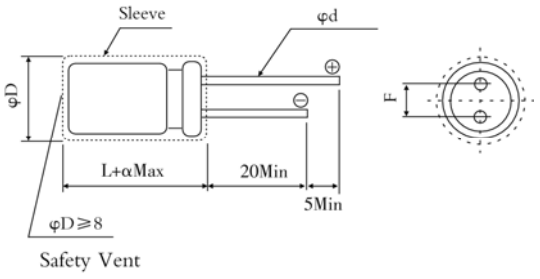
ALUMINUM ELECTROLYTIC CAPACITORS

- Long useful life of 8000 hours, 10000 hours at 105℃
- Polarized capacitors; Non-solid; Pressure relief
- High rated voltage, up to 450V
- High ripple current, High-reliability
- For Electronic Ballast, Lighting, Monitors, General industrial use
- Filtering of high voltages in power supplies

■ SPECIFICATIONS

Item	Characteristics
Operating Temperature Range(℃)	-25~+105
Rated Voltage Range (V)	160~450
Nominal capacitance range (μF)	6.8~220
Capacitance Tolerance(20℃, 100Hz)	±20%
Leakage Current (μA) (at 20℃)	I≤0.04CV+100μA (after 1 minute) C: Nominal Capacitance (μF), V: Rated Voltage (V)
Dissipation Factor(20℃,100Hz)	Rated voltage (v): 160 / 200 / 250 / 350 / 400 / 450 tanδ: 0.15 / 0.15 / 0.15 / 0.20 / 0.20 / 0.20
Temperature Stability(120Hz)	Rated voltage (v): 160 / 200 / 250 / 350 / 400 / 450 $Z_{-25℃}/Z_{+20℃}$: 3 / 3 / 4 / 6 / 6 / 6
Load Life(+105℃)	Leakage current: Not more than the specified value Capacitance change: within±30% of initial value Dissipation Factor: Not more than 300% of the specified value. After life test with DC voltage and +105℃ ripple current applied for regulation times, the capacitors shall meet the requirements specified above. Regulation time of life test: Φ10=8000 hours; Φ12.5~Φ18=10000 hours
Shelf Life (+105℃)	Time: 1000hours (No voltage applied) Leakage current: Not more than the specified value Capacitance change: within±20% of initial value Dissipation Factor: Not more than 200% of the specified value. After test: Rated voltage to be applied for 30~60 minutes, 24 to 48 hours before measurement.

■ DIMENSIONS MM



Lead spacing and diameter

φD±0.5	10	12.5	16	18
F±0.5	5.0	5.0	7.5	7.5
φd±0.1	0.6	0.6	0.8	0.8
a	1.5 (L≤16); 2.0 (L>16)			

■ MULTIPLIER FOR RIPPLE CURRENT

Frequency Coefficient

Freq(Hz)	50	120	1K	10K	100K
Factor	0.3	0.50	0.80	0.9	1.00

Temperature Coefficient

Temperature(℃)	≤+65	+85	+105
Factor	2.1	1.7	1.0

■ STANDARD RATINGS

WV(V)	160		200		250	
Cap(μF)	Size	Ripple	Size	Ripple	Size	Ripple
	ΦDxL(mm)	(mA)	ΦDxL(mm)	(mA)	ΦDxL(mm)	(mA)
10	10x16	250	10x16	250	10x20	230
22	10x20	500	10x20	500	12.5x20	600
33	10x20	500	12.5x20	600	12.5x20	600
47	12.5x20	660	12.5x20	660	12.5x25	720
					16x20	
68	12.5x25	760	12.5x25	760	16x25	920
	16x20		16x20		18x20	
100	16x25	1120	16x25	1120	16x31.5	1200
	18x20		18x20		18x25	
150	16x31.5	1360	16x31.5	1360	18x31.5	1500
	18x25		18x25			
220	16x31.5	1400	18x31.5	1700	-	-
	18x25					

WV(V)	350		400		450	
Cap(μF)	Size	Ripple	Size	Ripple	Size	Ripple
	ΦDxL(mm)	(mA)	ΦDxL(mm)	(mA)	ΦDxL(mm)	(mA)
6.8	10x16	220	10x16	220	10x20	150
10	10x20	280	10x20	280	12.5x20	320
22	12.5x20	350	12.5x20	430	16x25	560
			16x20		18x20	
33	16x20	500	16x25	640	16x31.5	700
			18x20		18x25	
47	16x25	660	16x31.5	840	18x31.5	880
	18x20		18x25			
68	16x31.5	850	16x31.5	1000	18x35	1130
	18x25		18x31.5			

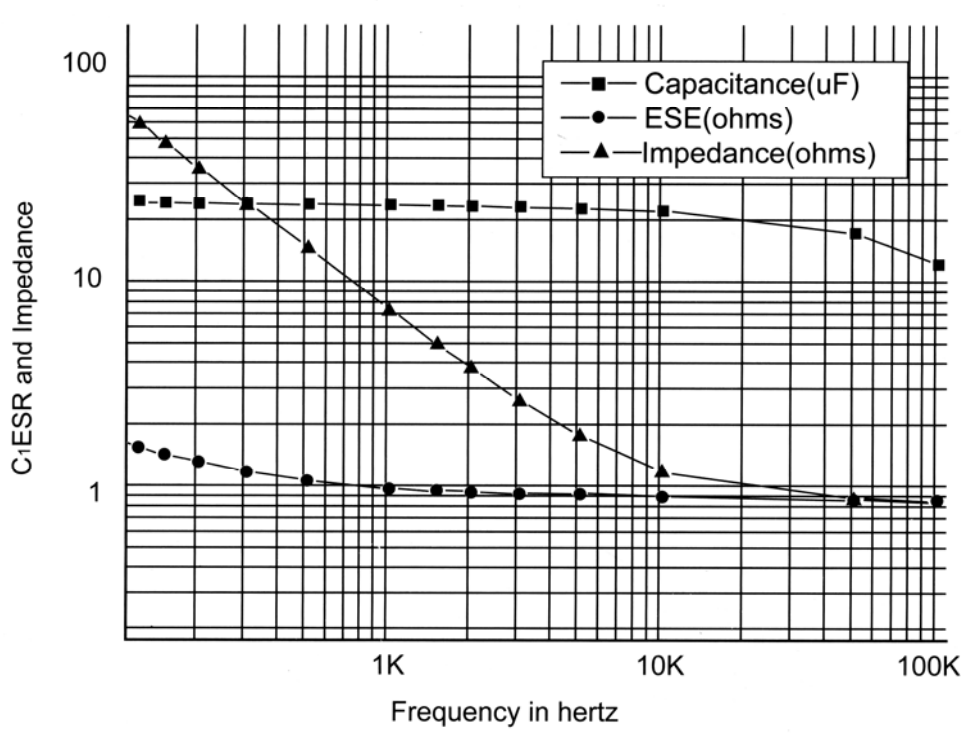
■ Ripple Current(mA rms) at 105℃,100KHz; Rated capacitance at 20℃, 120Hz.

The specific capacitance and case size are available on request.

ALUMINUM ELECTROLYTIC CAPACITORS

■ TYPICAL CURVES

CD261,450V22uF,Φ16x25



CD261,250V10uF,Φ10x20