

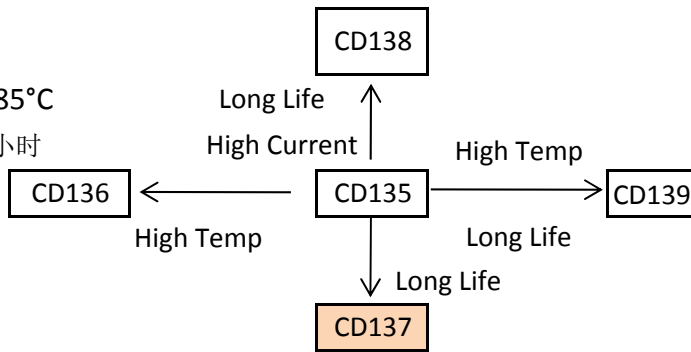
# ALUMINUM ELECTROLYTIC CAPACITOR



## Screw Terminal, CD137 Series

### 特性Features

- Load life of 5000 hours at 85°C  
在85°C环境中，负荷寿命5000小时
- High Reliability  
At High Voltage.  
耐高压，可靠性高
- Long life At Compact Size  
长寿命



(Image shown is a representation only)

### 主要技术性能Specification

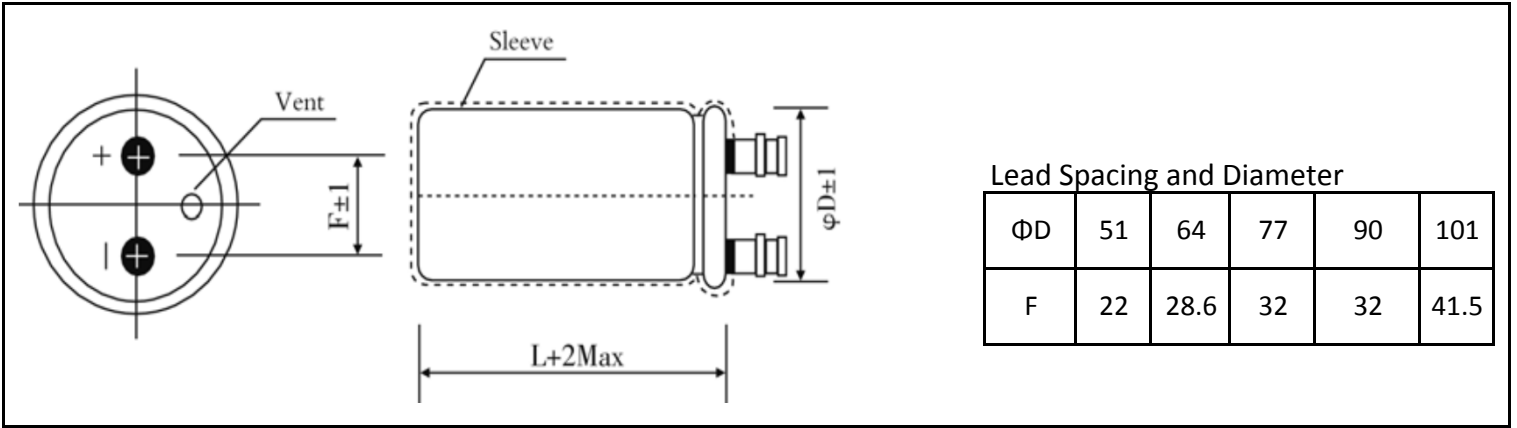
项目 Items	特征 Performance Characteristics		
使用温度范围 Operating Temperature Range(°C)	-40 ~ +85°C		
额定电压范围 Rated Voltage Range(V)	400~ 550 VDC		
标称电容量范围 Capacitance Range(uF)	1000~ 25000 uF		
标称电容量偏差范围 Capacitance Tolerance(20°C,120Hz)	± 20%		
漏电流 Leakage Current (uA)	After 5 minutes at 20°C application of rated voltage, leakage current is not more than 0.01CV or 1.5mA, whichever is smaller. C: Normal Capacitance(uF) V: Rated Voltage(V) 在20°C下加额定电压5分钟后，漏电流不大于0.01CV或者1.5mA,取最小值。		
损耗角正切值 Dissipation Factor(20°C, 120Hz) (tanδ)	Rated Voltage(V)	400/450	500/550
	tanδ (Max)	0.15	0.20
耐久性 Load Life	+85°C额定电压(叠加规定纹波电流)5000小时试验后常温放置16h 测定 After applying rated voltage with specified ripple current for 5000 hours at 85°C and then resumed 16 hours: 电容量变化: 初始值的-20~+20%以内 Capacitance change: within ±20% of the initial value 漏电流: 不大于初始规定值 Dissipation Factor: Not more than initial specified value 损耗角正切: 不超过规定值的2.0倍Dissipation Factor: Not more than 200% of the specified value		
高温储存 Shelf Life	+85°C, 1000小时贮存后，加额定电压30分钟，恢复16小时后 After storage for 1000 hours at +85°C, rated voltage to be applied for 30 minutes and then resumed for 16 hours 电容量变化: 初始值的-20~+20%以内Capacitance change: within ±20% of the initial value 漏电流: 不大于初始规定值 Dissipation Factor: Not more than initial specified value 损耗角正切: 不超过规定值的2.0倍Dissipation Factor: Not more than 200% of the specified value		

### 纹波电流修正系数Multiplier for ripple current

频率系数Frequency coefficient					
频率Freq(Hz)	50Hz	120Hz	300Hz	1KHz	10KHz
Coefficient	0.70	1.00	1.10	1.30	1.40
环境温度 Temperature °C	≤+40	+55	+70	+85	-
修正系数 Coefficient	2.7	2.5	2.1	1.7	-

# 外形图 Dimensions

# ALUMINUM ELECTROLYTIC CAPACITOR



## 额定值标准 Rating for CD137 Series

额定值标准 Rating for CD137 Series

CD137	U <sub>R</sub>	400V(2G)		450V(2W)		500V(2H)		550V(2Y)		-	-	-	
Cap(μF)	U <sub>s</sub>	450V		500V		550V		600V		-	-	-	
	Code	DxL	(A)	DxL	(A)	DxL	(A)	DxL	(A)	DxL	(A)	DxL	(A)
1000	102	-	-	-	-	-	-	51x130	5.9	-	-	-	-
1200	122	-	-	-	-	51x115	6.2	64x115	6.8	-	-	-	-
		-	-	-	-	64x96	6.3	-	-	-	-	-	-
1500	152	-	-	-	-	51x130	7.3	64x130	8.0	-	-	-	-
		-	-	-	-	64x96	7.1	-	-	-	-	-	-
1800	182	-	-	51x115	7.6	64x115	8.3	77x115	8.7	-	-	-	-
2200	222	51x115	8.8	51x130	8.8	64x130	9.6	77x130	10.1	-	-	-	-
2700	272	51x130	10.2	64x130	9.5	77x115	10.7	77x155	12.0	-	-	-	-
3300	332	64x96	11.0	64x115	11.2	77x130	12.4	77x155	13.3	-	-	-	-
3900	392	64x115	12.8	64x130	12.8	77x155	14.4	90x157	15.5	-	-	-	-
4700	472	64x130	14.8	77x115	14.1	77x171	16.5	90x171	17.6	-	-	-	-
		-	-	-	-	90x131	15.8	-	-	-	-	-	-
5600	562	77x115	16.2	77x130	16.2	77x195	19.0	90x196	20.3	-	-	-	-
		-	-	-	-	90x157	18.6	-	-	-	-	-	-
6800	682	77x130	18.7	77x155	19.1	90x171	21.2	90x236	24.1	-	-	-	-
8200	822	77x155	22.0	77x195	23.0	90x196	24.5	101x237	27.3	-	-	-	-
		-	-	90x131	21.0	101x175	24.2	-	-	-	-	-	-
10000	103	77x195	26.7	90x171	25.7	90x236	29.3	-	-	-	-	-	-
		90x131	24.2	-	-	101x195	27.9	-	-	-	-	-	-
12000	123	90x157	28.5	90x196	29.7	101x237	33.1	-	-	-	-	-	-
		-	-	101x175	29.3	-	-	-	-	-	-	-	-
15000	153	90x196	34.8	90x236	35.9	-	-	-	-	-	-	-	-
		-	-	101x195	34.2	-	-	-	-	-	-	-	-
18000	183	90x236	41.2	101x237	40.5	-	-	-	-	-	-	-	
25000	253	101x237	47.0	-	-	-	-	-	-	-	-	-	

DxL-尺寸SIZE(φDxLmm) A-额定纹波电流 Rated Ripple Current U<sub>R</sub>-额定工作电压 Rated Voltage U<sub>s</sub>-浪涌电压 Surge Voltage

Customer Products are available on request

可根据客户要求定制产品

Note: All design and specifications are for reference only and is subject to change without prior notice. If any doubt about safety for your application, please contact us immediately for technical assistance before purchase.