

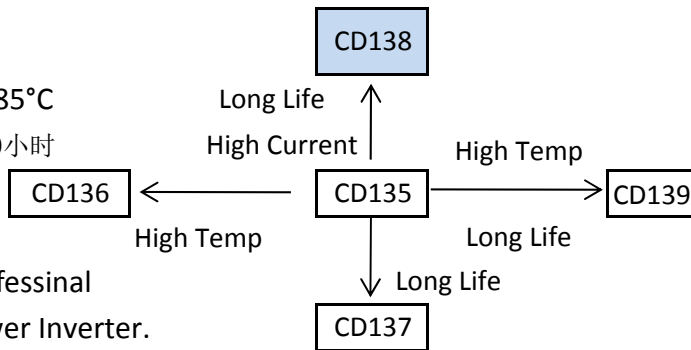
# ALUMINUM ELECTROLYTIC CAPACITOR



## Screw Terminal, CD138 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
- Long life  
长寿命
- High Currents for High Professional Applications and High Power Inverter.  
高纹波电流，应用于变频器



(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)	350 ~450 VDC	
标称电容量范围 Capacitance Range(uF)	1000~ 18000 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)	350~450
	tanδ (Max)	0.15
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	

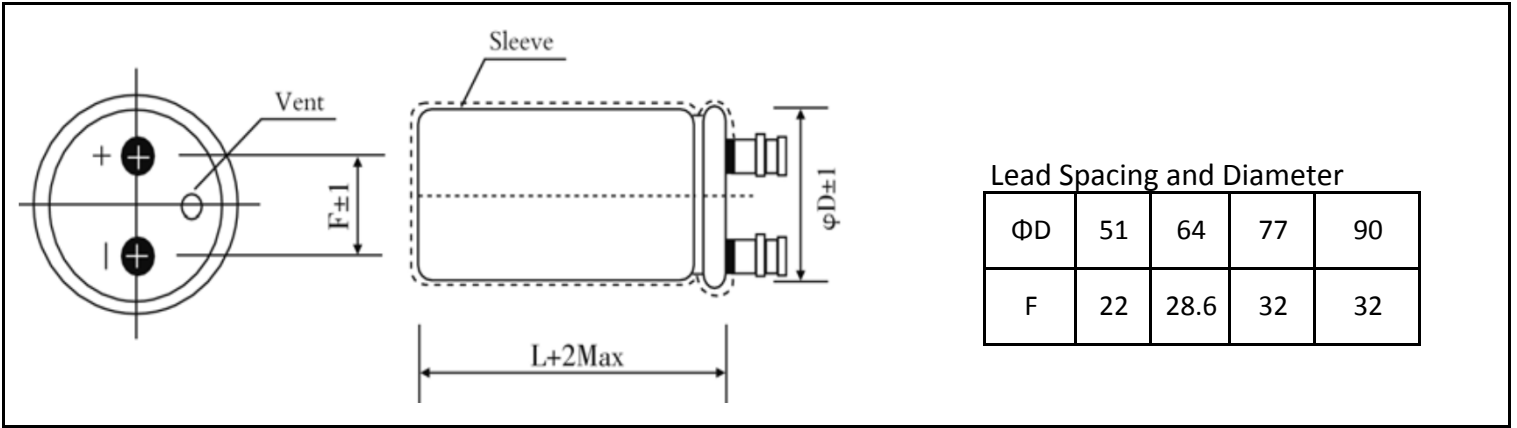
### 纹波电流修正系数Multiplier for ripple current

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



Lead Spacing and Diameter

ΦD	51	64	77	90
F	22	28.6	32	32

## 额定值标准 Rating for CD138 Series

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CD138	U <sub>R</sub>	350V(2V)		400V(2G)		450V(2W)		-	-	-	-		
Cap(μF)	U <sub>s</sub>	400V		450V		500V		-	-	-	-		
	Code	DxL	(A)	DxL	(A)	DxL	(A)	DxL	(A)	DxL	(A)	DxL	(A)
1000	102	-	-	51x83	5.0	51x83	5.0	-	-	-	-	-	-
1200	122	51x83	5.5	51x83	5.5	51x96	6	-	-	-	-	-	-
1500	152	51x83	6.1	51x96	6.7	51x115	7.2	-	-	-	-	-	-
1800	182	51x96	7.4	51x96	7.6	51x130	8.3	-	-	-	-	-	-
2200	222	51x96	8.2	51x130	9.2	64x96	9.0	-	-	-	-	-	-
2700	272	51x130	10.2	64x96	9.9	64x115	10.7	-	-	-	-	-	-
3300	332	51x130	11.3	64x115	11.8	64x130	12.4	-	-	-	-	-	-
3900	392	64x115	12.8	64x130	13.5	77x115	13.6	-	-	-	-	-	-
4700	472	64x130	14.8	77x115	14.9	77x130	15.6	-	-	-	-	-	-
5600	562	77x115	16.3	77x130	17.0	77x155	18.3	-	-	-	-	-	-
6800	682	77x130	18.8	77x155	20.2	90x157	21.4	-	-	-	-	-	-
8200	822	77x155	22.1	90x157	23.5	90x157	23.5	-	-	-	-	-	-
10000	103	90x157	25.9	90x157	25.9	90x196	28.3	-	-	-	-	-	-
12000	123	90x157	28.5	90x196	31.0	90x236	33.6	-	-	-	-	-	-
15000	153	90x196	34.9	90x236	37.5	-	-	-	-	-	-	-	-
18000	183	90x236	41.4	-	-	-	-	-	-	-	-	-	-

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.