

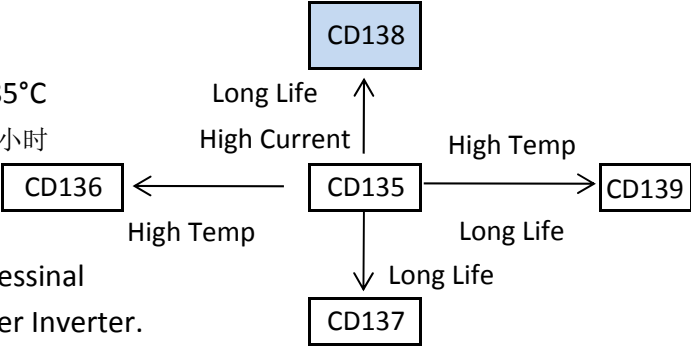
ALUMINUM ELECTROLYTIC CAPACITOR



Screw Terminal, CD138 Series

特性Fetures

- Load life of 5000 hours at 85°C  
在85℃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



主要技术性能Specification

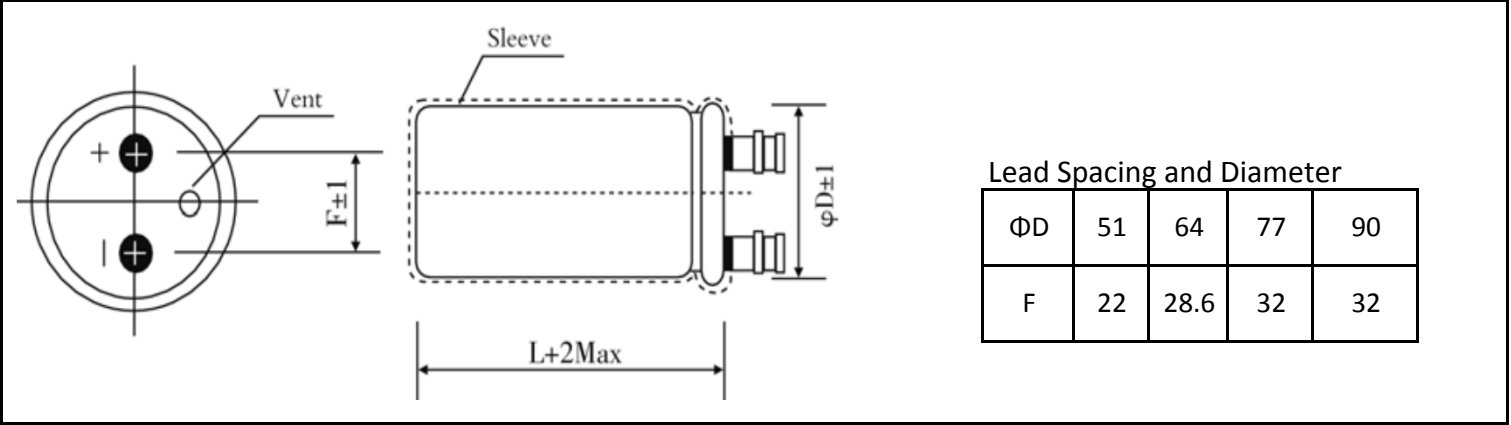
| 项目 Items                                            | 特征 Perfomance Characteristics                                                                                                                                                                                                                                                                                                                                                                             |         |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 使用温度范围<br>Operating Tepmerature Range(°C)           | -40 ~ +85°C                                                                                                                                                                                                                                                                                                                                                                                               |         |
| 额定电压范围<br>Rated Voltage Range(V)                    | 350 ~450 VDC                                                                                                                                                                                                                                                                                                                                                                                              |         |
| 标称电容量范围<br>Capacitance Range(uF)                    | 1000~ 18000 uF                                                                                                                                                                                                                                                                                                                                                                                            |         |
| 标称电容量偏差范围<br>Capacitance Tolerance(20°C,120Hz)      | ± 20%                                                                                                                                                                                                                                                                                                                                                                                                     |         |
| 漏电流<br>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)<br>在20℃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<br>Dissipation Factor(20°C, 120Hz)<br>(tanδ) | Rated Voltage(V)                                                                                                                                                                                                                                                                                                                                                                                          | 350~450 |
|                                                     | tanδ (Max)                                                                                                                                                                                                                                                                                                                                                                                                | 0.15    |
| 耐久性<br>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<br>After applying rated voltage with specified ripple current for 5000 hours at 85°C and then resumed 16 hours:<br>电容量变化：初始值的-20~+20%以内      Capacitance change: within ±20% of the initial value<br>漏电流：不大于初始规定值      Dissipation Factor: Not more than initial specified value<br>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<br>Shelf Life                                  | +85°C, 1000小时贮存后，加额定电压30分钟，恢复16小时后<br>After storage for 1000 hours at +85°C, rated voltage to be applied for 30 minutes and then resumed for 16 hours<br>电容量变化：初始值的-20~+20%以内Capacitance change: within ±20% of the initial value<br>漏电流：不大于初始规定值      Dissipation Factor: Not more than initial specified value<br>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 | 环境温度<br>Temperature °C | ≤+40 | +55 | +70 | +85 | - |
| Coefficient               | 0.70 | 1.00  | 1.10  | 1.30 | 1.40  | 修正系数<br>Coefficient    | 2.7  | 2.5 | 2.1 | 1.7 | - |
|                           |      |       |       |      |       |                        |      |     |     |     |   |
|                           |      |       |       |      |       |                        |      |     |     |     |   |

外形图    Dimensions

ALUMINUM ELECTROLYTIC CAPACITOR



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(uF) | U <sub>s</sub> | 400V     |      | 450V     |      | 500V     |      | -   |     | -   |     | -   |     | -   |     |
|         | Code           | DxL      | (A)  | 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 avaiable 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.