

CD137 Series



Aluminum Electrolytic Capacitors 铝电解电容器

- ◆ 5000 hours at 85°C
- ◆ High Reliability at High Voltage
- ◆ Long Life at Compact Size



【Specifications 主要技术性能】

Item 项目	Performance Characteristics 特征										
Operating Temperature Range (°C) 使用温度范围	-40~+85										
Rated Voltage Range (V) 额定电压范围	400~550										
Nominal Capacitance Range (µF) 标称容量范围	1000~25000										
Capacitance Tolerance 标称容量允许偏差(20°C, 120Hz)	±20%										
Leakage Current(µA) 漏电流	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: Nominal Capacitance (µF) 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1.5mA,取最小值。										
Dissipation Factor (20°C, 120Hz) 损耗角正切值(tanδ)	<table border="1"> <thead> <tr> <th>Rated Voltage(V)</th> <th>400</th> <th>450</th> <th>500</th> <th>550</th> </tr> </thead> <tbody> <tr> <td>Tan δ (max)</td> <td colspan="2">0.15</td> <td colspan="2">0.20</td> </tr> </tbody> </table>	Rated Voltage(V)	400	450	500	550	Tan δ (max)	0.15		0.20	
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Load Life 耐久性	After applying rated voltage with specified ripple current for 5000 hours at +85°C and then resumed 16 hours +85°C施加带纹波电流的额定电压5000小时,恢复16小时后 Capacitance Change: ±20% Initial measured value 电容量变化率:±20%初始测量值以内 Leakage Current: Not more than Initial specified value 漏电流:不大于初始规定值 Dissipation Factor: Not more than 200%Initial specified value 损耗角正切值:不大于2倍初始规定值										
Shelf Life 高温贮存	After storage for 1000 hours at +85°C, UR to be applied for 30 minutes and then resumed 16 hours +85°C,1000小时贮存后,加额定工作电压处理30分钟,恢复16小时后 Capacitance Change: ±20% Initial measured value 电容量变化率: ± 20%初始测量值以内 Leakage Current: Not more than Initial specified value 漏电流: 不大于初始规定值 Dissipation Factor: Not more than 200%Initial specified value 损耗角正切值: 不大于2倍初始规定值										

【Multiplier for ripple current 纹波电流修正系数】

Frequency coefficient 频率系数

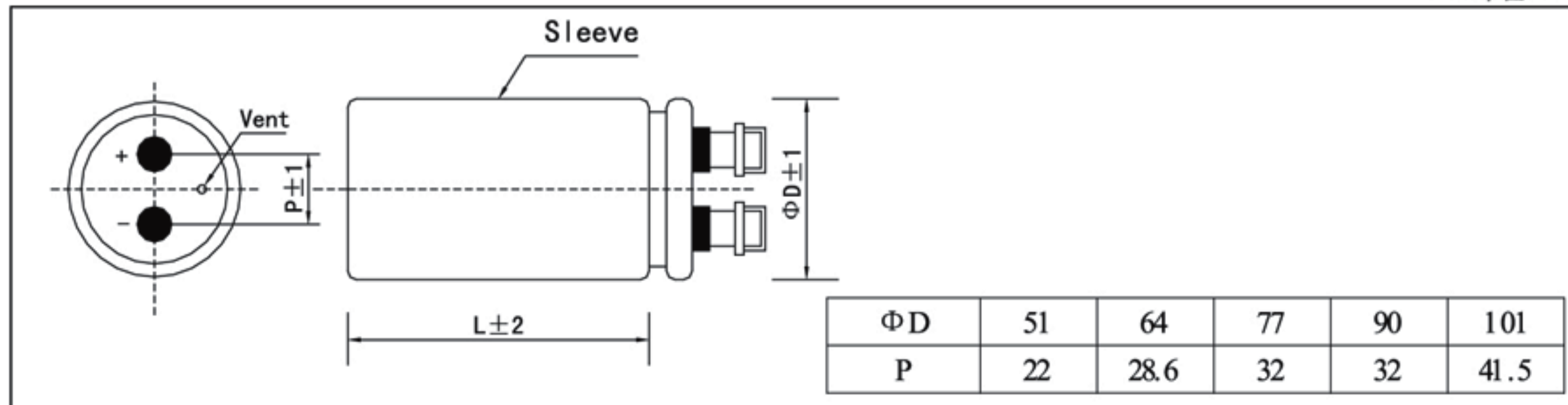
Freq(Hz)	50Hz	120Hz	300 Hz	1KHz	≥10KHz
Factor	0.70	1.00	1.10	1.30	1.40

Temperature coefficient 温度系数

Temperature(°C) 环境温度	≤+40	+55	+70	+85	+85
Coefficient 修正系数	2.7	2.5	2.1	1.7	1

【Dimensions 外形图】

Unit 单位:mm



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【Ratings for CD137 PK Series 额定值标准】

CD137	U _R	400V(2G)		450V(2G)		500V(2H)		550V(2Y)	
Cap (μF)	U _S Code	450V		500V		550V		600V	
		D×L	(A)	D×L	(A)	D×L	(A)	D×L	(A)
1000	102							51×130	5.9
1200	122					51×115	6.2	64×115	6.8
						64×96	6.3		
1500	152					51×130	7.3	64×130	8.0
						64×96	7.1		
1800	182			51×115	7.6	64×115	8.3	77×115	8.7
2200	222	51×115	8.8	51×130	8.8	64×130	9.6	77×130	10.1
2700	272	15×130	10.2	64×6	9.5	77×115	10.7	77×155	12.0
3300	332	64×96	11.0	64×115	11.2	77×130	12.4	77×155	13.3
3900	392	64×115	12.8	64×130	12.8	77×155	14.4	90×157	15.5
4700	472	64×130	14.8	77×115	14.1	77×171	16.5	90×171	17.6
						90×131	15.8		
5600	562	77×115	16.2	77×130	16.2	77×195	19.0	90×196	20.3
						90×157	18.6		
6800	682	77×130	18.7	77×155	19.1	90×171	21.2	90×236	24.1
8200	822	77×155	22.0	77×195	23.0	90×196	24.5	101×237	27.3
				90×131	21.0	101×175	24.2		
10000	103	77×195	26.7	90×171	25.7	90×236	29.3		
		90×131	24.2			101×195	27.9		
15000	123	90×157	28.5	90×196	29.7	101×237	33.1		
				101×175	29.3				
15000	153	90×196	34.8	90×236	35.9				
				101×195	34.2				
18000	183	90×236	41.2	101×237	40.5				
25000	223	101×237	47.0						

Rated ripple current 额定纹波电流 (A, +85 °C ,120Hz)
Size 尺寸(ΦD×L)

U_R-Rated voltage 额定工作电压
U_S-Surge voltage 浪涌电压

Customer products are available on request
客户产品可根据要求定制