

CD139 Series



Aluminum Electrolytic Capacitors 铝电解电容器

- ◆ 5000 hours at 105°C
- ◆ Long Life at 105°C
- ◆ High Professional Power Application



【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~+105
Rated Voltage Range (V) 额定电压范围	350~450
Nominal Capacitance Range (µF) 标称电容量范围	1000~15000
Capacitance Tolerance 标称电容量允许偏差(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)	Less than 0.15 小于0.15
Load Life 耐久性	After applying rated voltage with specified ripple current for 5000 hours at +105°C and then resumed 16 hours +105°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 +105°C, U _R to be applied for 30 minutes and then resumed 16 hours +105°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

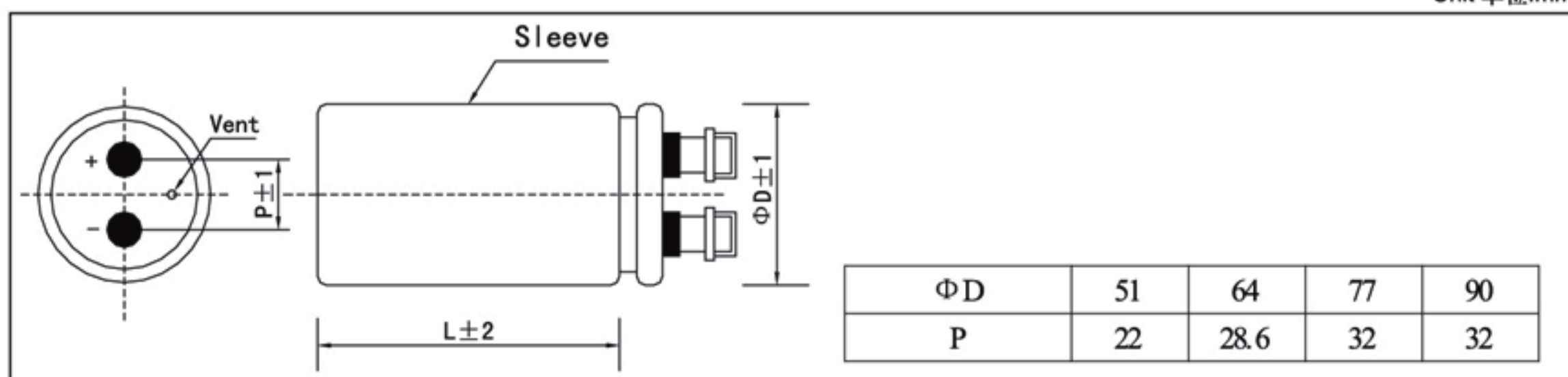
Freq(Hz)	50Hz	120Hz	300Hz	1KHz	≥10KHz
Factor	0.70	1.00	1.10	1.30	1.40

Temperature coefficient 温度系数

Temperature(°C) 环境温度	≤+40	+55	+70	+105	+105
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 CD139 BL Series 额定值标准】

CD139	U _R	350V(2V)		400V(2G)		450V(2W)	
Cap (μF)	U _s	400V		450V		500V	
	Code	D×L	(A)	D×L	(A)	D×L	(A)
1000	102	51×75	3.9	51×75	3.9	51×96	4.2
1200	122	51×75	4.2	51×96	4.6	51×115	5.0
1500	152	51×96	5.2	51×115	5.6	51×130	5.9
1800	182	51×96	5.7	51×130	6.4	64×96	6.3
2200	222	51×130	7.1	64×96	6.9	64×115	7.4
2700	272	64×96	7.7	64×115	8.2	64×130	8.6
						77×115	8.7
3300	332	64×115	9.1	64×130	9.5	64×155	10.2
						77×130	10.1
3900	392	64×130	10.4	64×155	11.1	64×195	12.3
				77×115	10.4		
4700	472	64×155	12.2	64×195	13.4	77×155	12.9
		77×115	11.5	77×130	12.0		
5600	562	64×195	14.6	64×195	14.6	77×195	15.4
		77×130	13.1	77×155	14.0	90×157	14.9
6800	682	77×155	15.5	90×157	16.5	90×196	18.0
8200	822	90×157	18.1	90×157	18.1	90×196	19.8
10000	103	90×157	19.9	90×196	21.7	90×236	23.6
12000	123	90×196	23.8	90×236	25.8		
15000	153	90×236	28.8				

Rated ripple current 额定纹波电流 (A,+105°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