

BL 系列

Ratings for BL Series

105°C 5000小时

- 105°C 长寿命
- 高可靠性专业电源应用

5000h at 105°C

- Long life at 105°C
- Highest Professional Power Application



项目 Item	特性 Characteristics
使用温度范围(°C) Operating Temperature Range	-40~+105
额定电压范围(V) Voltage Range	350~450
标称电容量范围(μF) Capacitance Range	1000~15000
标称电容量允许偏差 Capacitance Tolerance(20°C, 120Hz)	± 20%
漏电流(μA) Leakage Current	$I \leq 0.01CV$ 或 $5mA$, 取较小者 (20°C, 5分钟) $I \leq 0.01CV$ or $5mA$ whichever is smaller (at 20°C, after 5 minutes) C: 标称电容量 (μF) V: 额定电压 (V) C: Nominal Capacitance (μF) V: Rated Voltage (V)
损耗角正切值 (tg δ) Dissipation Factor(20°C, 120Hz)	小于等于 0.15 Less than 0.15

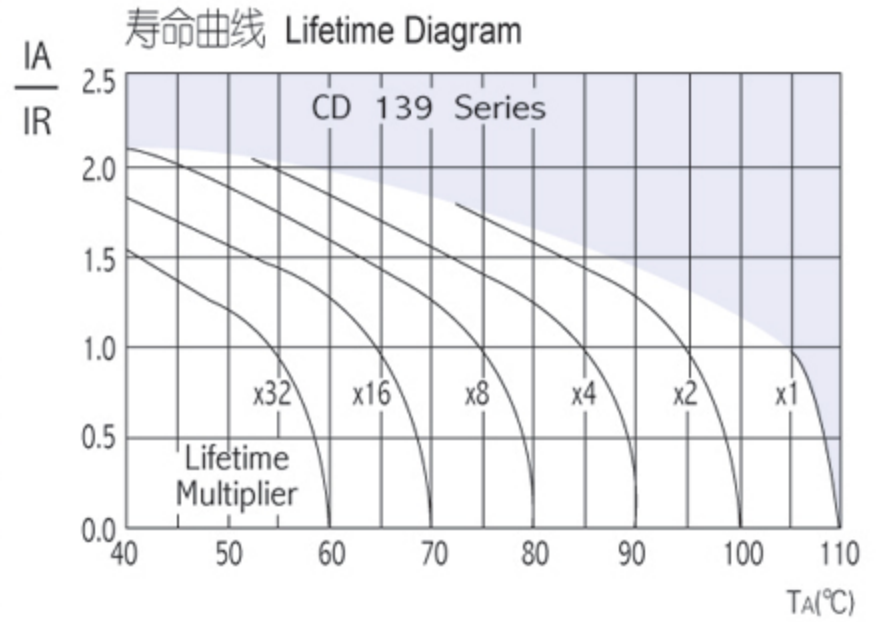
项目 Item	使用寿命 Useful Life		负载寿命 Load Life	耐久试验 Endurance Test	高温贮存 shelf Life
寿命 Lifetime	9000h	> 200000h	5000h	5000h	1000h
漏电流 Leakage Current	≤ 初始规定值 Not more than specified value		≤ 初始规定值 Not more than specified value	≤ 初始规定值 Not more than specified value	≤ 初始规定值 Not more than specified value
容量变化率 Capacitance Change	初始值 ± 30%以内 Within ± 30% of initial Value		初始值 ± 20%以内 Within ± 20% of initial Value	初始值 ± 10%以内 Within ± 10% of initial Value	初始值 ± 20%以内 Within ± 20% of initial Value
损耗变化率 Dissipation Factor	≤ 初始规定值的3倍 Not more than 300% of specified value		≤ 初始规定值的2倍 Not more than 200% of specified value	≤ 初始规定值的1.3倍 Not more than 130% of specified value	≤ 初始规定值的2倍 Not more than 200% of specified value
使用条件 Condition: 使用电压 APPLIED Voltage 使用电流 Applied Current 使用温度 APPLIED Temperature	U_R	U_R	U_R	U_R	$U_R=0$
	I_R	$1.4 \times I_R$	I_R	$I_R=0$	$I_R=0$
	105°C	40°C	105°C	105°C	105°C

试验后:
施加额定电压30分
钟后恢复24小时
After test:
 U_R to be applied
for 30min
>24h before
measurement

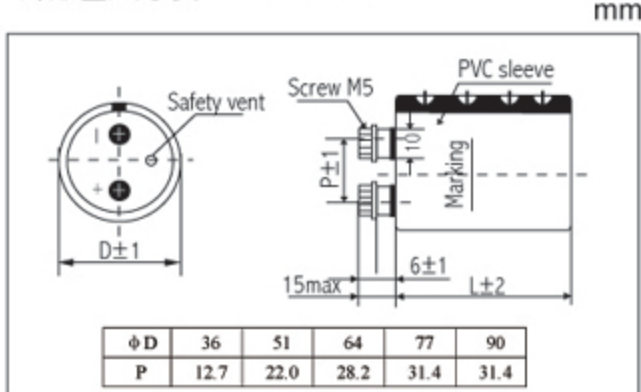
CD 139 系列 Ratings for CD 139 Series

U _R (Surge Voltage) Code	Rated Capacitance	Max ESR 20°C 120HZ	Typ ESR 20°C 120HZ	Rated Ripple Current 105°C120HZ	Size Φ DXL
(V)	(μF)	(mΩ)	(mΩ)	(Arms)	(mm)
350 (400) 2V	1000	259	69	3.9	51x75
	1200	215	65	4.2	51x75
	1500	172	55	5.2	51x96
	1800	143	43	5.7	51x96
	2200	117	30	7.1	51x130
	2700	96	27	7.7	64x96
	3300	78	23	9.1	64x115
	3900	66	19	10.4	64x130
	4700	55	16	12.2	64x155
		55	14	11.5	77x115
	5600	46	14	14.6	64x195
		46	12	13.1	77x130
	6800	38	13	15.5	77x155
	8200	31	11	18.1	90x157
	10000	26	10	19.9	90x157
12000	22	8	23.8	90x196	
15000	17	6	28.8	90x236	
400 (450) 2G	1000	215	70	3.9	51x75
	1200	179	64	4.6	51x96
	1500	143	54	5.6	51x115
	1800	119	43	6.4	51x130
	2200	98	41	6.9	64x96
	2700	80	38	8.2	64x115
	3300	65	29	9.5	64x130
	3900	55	28	11.1	64x155
		55	25	10.4	77x115
	4700	46	20	13.4	64x195
		46	22	12.0	77x130
	5600	39	19	14.6	64x195
		39	19	14.0	77x155
	6800	32	17	16.5	90x157
	8200	26	15	18.1	90x157
10000	22	12	21.7	90x196	
12000	18	8	25.8	90x236	
450 (500) 2W	1000	215	70	4.2	51x96
	1200	179	66	5.0	51x115
	1500	143	54	5.9	51x130
	1800	119	44	6.3	64x96
	2200	98	42	7.4	64x115
	2700	80	40	8.6	64x130
		8-	42	8.7	77x115
	3300	65	31	10.2	64x155
		65	35	10.1	77x130
3900	55	28	12.3	64x195	

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(V)	(μF)	(mΩ)	(mΩ)	(Arms)	(mm)
450 (500) 2W	4700	46	25	12.9	77x155
	5600	38	22	15.4	77x195
		38	24	14.9	90x157
	6800	32	21	18.0	90x196
	8200	27	18	19.8	90x196
	10000	22	16	23.6	90x236



外形图尺寸表 Dimensions



频率系数 Frequency Coefficient

频率 Frequency	50~60Hz	120Hz	300Hz	1KHz	≥10kHz
系数 Factor	0.70	1.00	1.10	1.30	1.40