

CD 139 Series

105°C 5000小时

5000h at 105°C

- 105°C长寿命
- Long Life at 105°C
- 高可靠性专业电源应用
- 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 () Capacitance Range	1000~15000
标称电容量允许偏差 Capacitance Tolerance (20°C, 120Hz)	± 20%
漏电流 (μ A) Leakage Current	1 ≤ 0.01CV 或 5mA, 取较小者 (20°C, 5分钟) 1 ≤ 0.01CV or 5mA whichever is smaller (at 20°C, after 5minuter) C:标称电容器 (μ F) V:额定电压 (V) C:Nominal Capacitance(μ F) 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

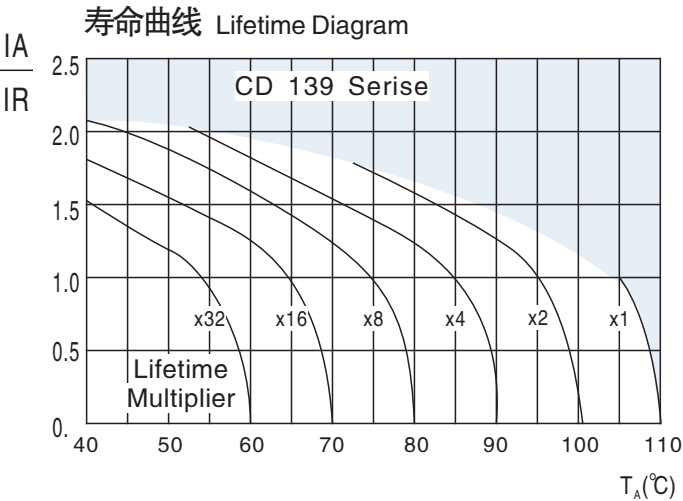
项目 Item	使用寿命 Useful Life		负载寿命 Load Life	耐久试验 Endurance Test	高温贮存 shelf Life
寿命 Lifetime	5000h		5000h	5000h	1000h
漏电流 Leakage Current	≤初始规定值 Not more than specited value		≤初始规定值 Not more than specited value	≤初始规定值 Not more than specited value	≤初始规定值 Not more than specited value
容量变化率 Capacitance Change	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 I _R 105°C	U _R 1.4 × I _R 40°C	U _R I _R 105°C	U _R I _R =0 105°C	U _R =0 I _R =0 105°C 试验后: 施加额定电压30分 钟后恢复24小时 After test: UR to be applied for 30min >24h before measurement

CD 139 系列

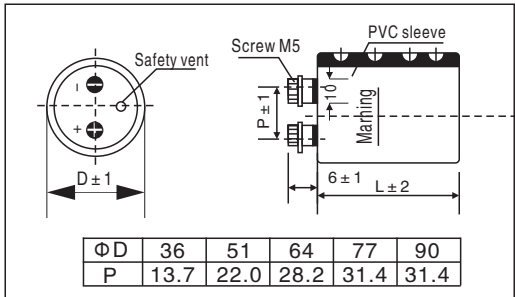
Ratings for CD 139 Series

UR (Surge Voltage) Code	Rated Capa- ciance	Max ESR 20℃ 120HZ	Typ ESR 20℃ 120HZ	Rated Ripple Current 105℃ 120HZ	Size Φ DXL
(V)	(μF)	(mΩ)	(mΩ)	(Arms)	(mm)
350 (400) 2V	1000	259	69	3.9	51×75
	1200	215	65	4.2	51×75
	1500	172	55	5.2	51×96
	1800	143	43	5.7	51×96
	2200	117	30	7.1	51×130
	2700	96	27	7.7	64×96
	3300	78	23	9.1	64×115
	3900	66	19	10.4	64×130
	4700	55	16	12.2	64×155
		55	14	11.5	77×115
	5600	46	14	14.6	64×195
		46	12	13.1	77×130
	6800	38	13	15.5	77×155
	8200	31	11	18.1	90×157
	10000	26	10	19.9	90×157
	12000	22	8	23.8	90×196
	15000	17	6	28.8	90×236
400 (450) 2G	1000	215	70	3.9	51×75
	1200	179	64	4.6	51×96
	1500	143	54	5.6	51×115
	1800	119	43	6.4	51×130
	2200	98	41	6.9	64×96
	2700	80	38	8.2	64×115
	3300	65	29	9.5	64×130
	3900	55	28	11.1	64×155
		55	25	10.4	77×115
	4700	46	20	13.4	64×195
		46	22	12.0	77×130
	5600	39	19	14.6	64×195
		39	19	14.0	77×155
	6800	32	17	16.5	90×157
	8200	26	15	18.1	90×157
	10000	22	12	21.7	90×196
	12000	18	8	25.8	90×236
450 (500) 2W	1000	215	70	4.2	51×96
	1200	179	66	5.0	51×115
	1500	143	54	5.9	51×130
	1800	119	44	6.3	64×96
	2200	98	42	7.4	64×115
	2700	80	40	8.6	64×130
		8.	42	8.7	77×115
	3300	65	31	10.2	64×155
		65	35	10.1	77×130
	3900	55	28	12.3	64×195

UR (Surge Voltage) Code	Rated Capa- ciance	Max ESR 20℃ 120HZ	Typ ESR 20℃ 120HZ	Rated Ripple Current 105℃ 120HZ	Size Φ DXL
(V)	(μF)	(mΩ)	(mΩ)	(Arms)	(mm)
450 (500) 2W	4700	46	25	12.9	77×155
	5600	38	22	15.4	77×195
		38	24	14.9	90×157
	6800	32	21	18.0	90×196
	8200	27	18	19.8	90×196
	10000	22	16	23.6	90×236



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