

PX 系列

Ratings for PX Series

85°C 5000小时

- 高电压, 高可靠性
- 紧凑型, 长寿命

5000h at 85°C

- High Reliability at High Voltage
- Long Life at Compact Size



项目 Item	特性 Characteristics										
使用温度范围(°C) Operating Temperature Range	-40~+85										
额定电压范围(V) Voltage Range	400~550										
标称电容量范围(µF) Capacitance Range	1000~22000										
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)	<table border="1"> <thead> <tr> <th>额定电压 Rated Voltage (V)</th> <th>400</th> <th>450</th> <th>500</th> <th>550</th> </tr> </thead> <tbody> <tr> <td>损耗角正切值 Tan δ (max)</td> <td colspan="2">0.15</td> <td colspan="2">0.20</td> </tr> </tbody> </table>	额定电压 Rated Voltage (V)	400	450	500	550	损耗角正切值 Tan δ (max)	0.15		0.20	
额定电压 Rated Voltage (V)	400	450	500	550							
损耗角正切值 Tan δ (max)	0.15		0.20								

项目 Item	使用性 Useful Life		耐久性 Load Life	直流试验 Endurance Test	高温贮存 shelf Life
使用寿命 Lifetime	10000h	> 100000h	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 I_R 85°C	U_R $1.4 \times I_R$ 40°C	U_R I_R 85°C	U_R $I_R=0$ 85°C	$U_R=0$ $I_R=0$ 85°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 137 系列

Ratings for CD 137 Series

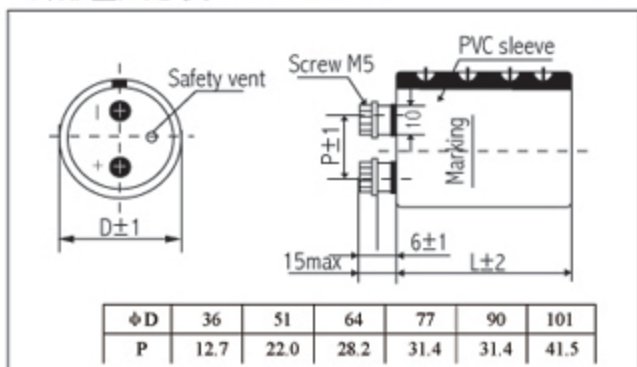
U _R (Surge Voltage) Code	Rated Capacitance	Max ESR 20°C, 120HZ	Typ ESR 20°C, 120HZ	Rated Ripple Current 85°C 120HZ	Size Φ DXL
(V)	(μF)	(mΩ)	(mΩ)	(Arms)	(mm)
400 (450) 2G	2200	98	28	8.8	51x115
	2700	80	24	10.2	51x130
	3300	65	21	11.0	64x96
	3900	55	19	12.8	64x115
	4700	46	15	14.8	64x130
	5600	38	14	16.2	77x115
	6800	32	13	18.7	77x130
	8200	26	12	22.0	77x155
	10000	22	10	26.7	77x195
		22	10	24.2	90x131
	12000	18	8	28.5	90x157
	15000	14	6	34.8	90x196
	18000	12	5	41.2	90x236
	22000	10	5	47.0	101x237
450 (500) 2W	1800	119	45	7.6	51x115
	2200	98	35	8.8	51x130
	2700	80	30	9.5	64x96
	3300	65	24	11.2	64x115
	3900	55	20	12.8	64x130
	4700	46	16	14.1	77x115
	5600	38	13	16.2	77x130
	6800	32	11	19.1	77x155
	8200	26	10	23.0	77x195
		26	10	21.0	90x131
	10000	22	9	25.7	90x171
	12000	18	8	29.7	90x196
		18	8	29.3	101x175
	15000	14	7	35.9	90x236
		14	7	34.2	101x195
	18000	12	6	40.5	101x237

U _R (Surge Voltage) Code	Rated Capacitance	Max ESR 20°C, 120HZ	Typ ESR 20°C, 120HZ	Rated Ripple Current 85°C 120HZ	Size Φ DXL
(V)	(μF)	(mΩ)	(mΩ)	(Arms)	(mm)
500 (550) 2H	1200	215	94	6.2	51x115
		215	94	6.3	64x96
	1500	172	72	7.3	51x130
		172	72	7.1	64x96
	1800	143	51	8.3	64x115
	2200	117	40	9.6	64x130
	2700	96	35	10.7	77x115
	3300	78	35	12.4	77x130
	3900	66	25	14.4	77x155
	4700	55	24	16.5	77x171
		55	24	15.8	90x131
	5600	46	22	19.0	77x195
		46	22	18.6	90x157
	6800	38	19	21.2	90x171
550 (600) 2Y	8200	31	14	24.5	90x196
		31	14	24.5	101x175
	10000	26	12	29.3	90x236
		26	12	27.9	101x195
	12000	22	11	33.1	101x237
	1000	258	110	5.9	51x130
	1200	215	95	6.8	64x115
	1500	172	74	8.0	64x130
	1800	143	72	8.7	77x115
	2200	117	50	10.1	77x130
	2700	96	40	12.0	77x155
	3300	78	36	13.3	77x155
	3900	66	30	15.5	90x157
	4700	55	24	17.6	90x171
	5600	46	20	20.3	90x196
	6800	38	16	24.1	90x236
8200	31	14	27.3	101x237	

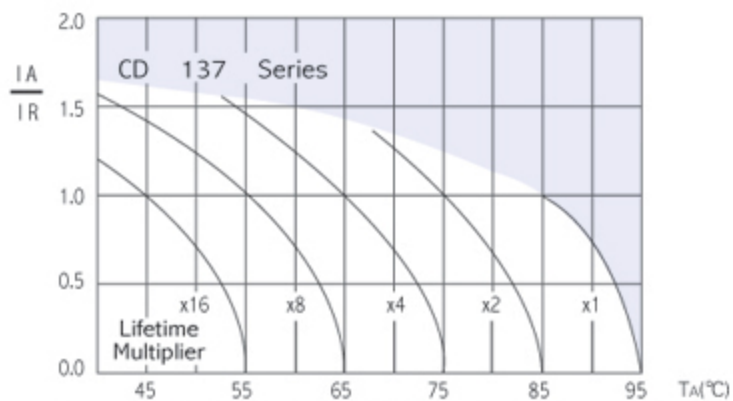
频率系数 Frequency Coefficient

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

外形图尺寸表 Dimensions



寿命曲线 Lifetime Diagram



IA = actual ripple current at 120HZ, IR = rated ripple current at 120HZ, 85°C
Multiplier of Useful Life as a function of ambient temperature and ripple current load