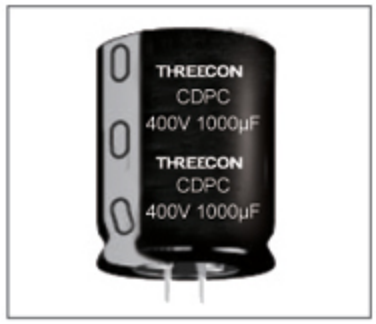
FC 系列
Ratings for FC Series

85℃ 2000小时

- 低损耗、高稳定耐高纹波电流
- 用于变频空调以提高功率因素

2000h at 85℃

- Low dissipation factor, high stability and high nipple current
- Be used in frequency converter air-conditioner for power factor improving



项目 Item	特性 Characteristics
使用温度范围(℃) Operating Temperature Range	-25～+85
额定电压范围(V) Voltage Range	250, 400V
标称电容量范围(μF) Capacitance Range	45～440
标称电容量允许偏差) Capacitance Tolerance(20℃,120Hz)	± 10%
漏电流(μA) Leakage Current	I≤0.01CV 或 5mA，取较小者（20℃,5分钟） I 0.01CV or 5mA whichever is smaller (at 20℃,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℃,120Hz)	小于等于0.05 Less than 0.05

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	4000h	≥65000h	2000h	2000h	500h	
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±20%以内 Within±20% 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2倍 Not more than 200% 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	UR	UR	UR	UR	UR=0	试验后：额定电压30分钟后恢复24小时施加 UR to be applied for30min >24h before measurement
使用电流 Applied Current	IR	1.2×IR	IR	IR=0	IR=0	
使用温度 APPlied Temperature	85℃	40℃	85℃	85℃	85℃	

CD PC Series

Snap-in/Lug

THREECON 新三能电子 SUNION ELECTRONIC

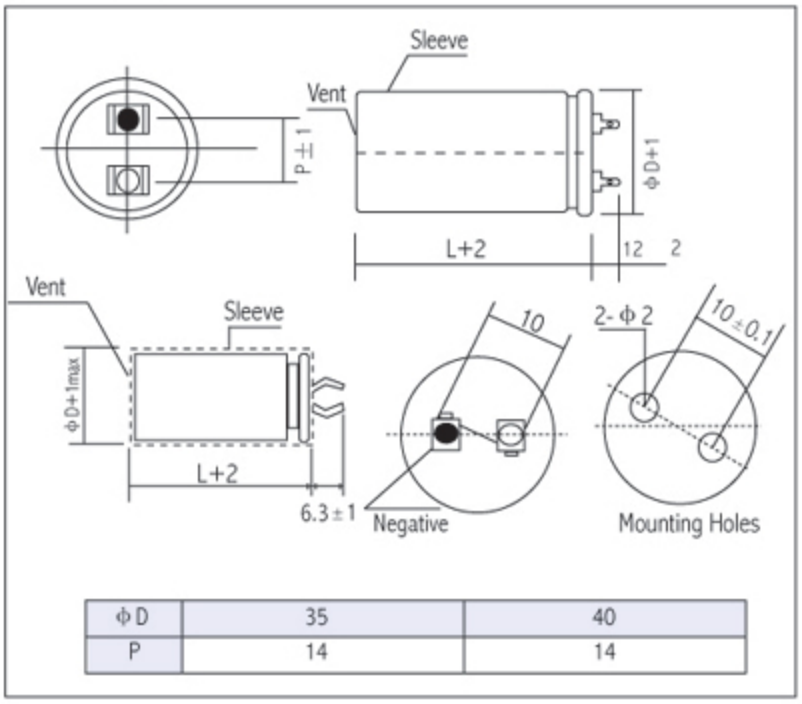
CD PC 系列

Ratings for CD PC Series

UR (Surge Voltage) Code	Rated Capa -citance	Dissipation Factor	Max ESR 20℃, 120HZ	Rated Ripple Current 85℃ 120HZ	Size Φ DXL
(V)	(μF)	–	(Ω)	(Arms)	(mm)
250 (300) 2E	100	0.05	0.66	1.90	35×40
	110	0.05	0.60	2.00	35×40
	165	0.05	0.40	2.45	35×45
	180	0.05	0.37	2.58	35×50
	195	0.05	0.34	2.68	35×50
	210	0.05	0.32	2.78	35×50
	220	0.05	0.30	2.80	35×50
400 (450) 2G	45	0.05	1.47	1.50	35×50
	55	0.05	1.21	1.70	35×40
	75	0.05	0.88	1.98	35×50
	82	0.05	0.81	2.00	35×50

UR (Surge Voltage) Code	Rated Capa -citance	Dissipation Factor	Max ESR 20℃, 120HZ	Rated Ripple Current 85℃ 120HZ	Size Φ DXL
(V)	(μF)	–	(Ω)	(Arms)	(mm)
250 (300) 2E	200	0.05	0.33	0.38	40×100
	220	0.05	0.30	0.40	40×100
	330	0.05	0.20	4.85	40×100
	360	0.05	0.18	5.10	40×100
	390	0.05	0.17	5.30	40×100
	420	0.05	0.16	5.50	40×100
	440	0.05	0.15	5.60	40×100
400 (450) 2G	90	0.05	0.74	3.00	35×80
		0.05	0.74	3.00	40×80
	100	0.05	0.66	3.20	35×90
		0.05	0.66	3.20	40×90
	110	0.05	0.60	3.30	35×100
		0.05	0.60	3.30	40×100
	150	0.05	0.44	3.90	35×100
		0.05	0.44	3.90	40×100
	165	0.05	0.40	4.10	40×100
	220	0.05	0.30	4.70	40×100

外形图尺寸表 Dimensions mm

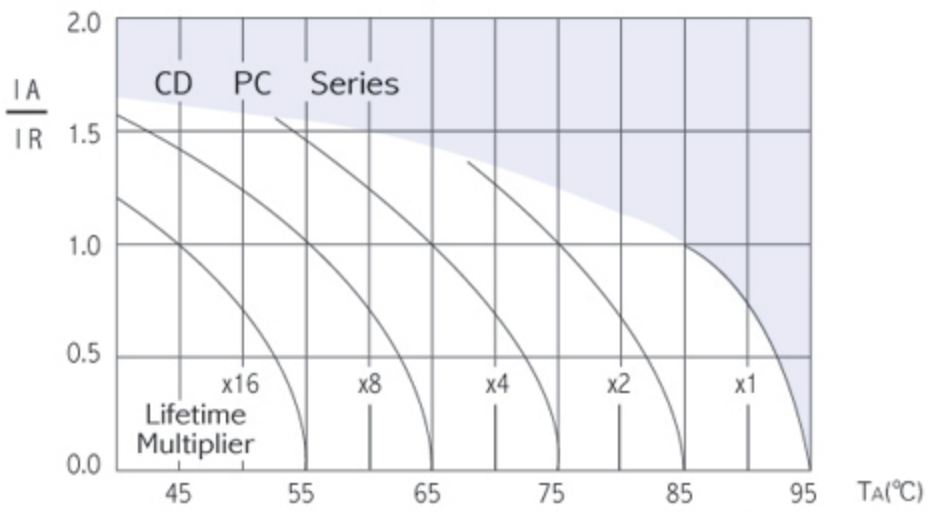


Φ D	35	40
P	14	14

频率系数 Frequency Coefficient

频率 Frequency	50～60Hz	120Hz	400Hz	1KHz	≥10khz
系数 Factor	0.80	1.00	1.32	1.46	1.61

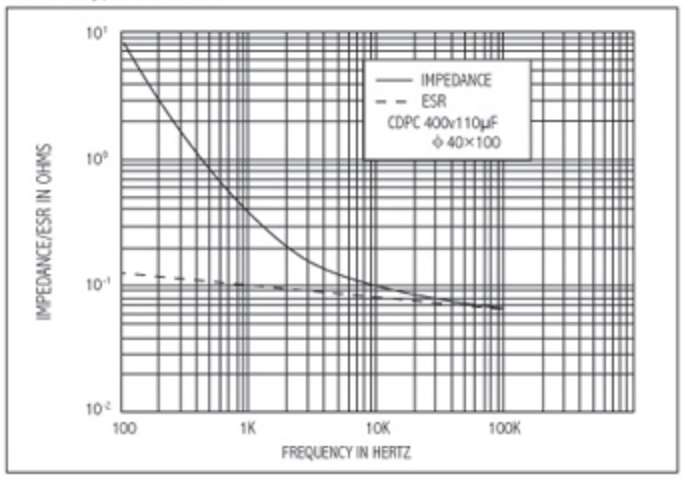
寿命曲线 Lifetime Diagram

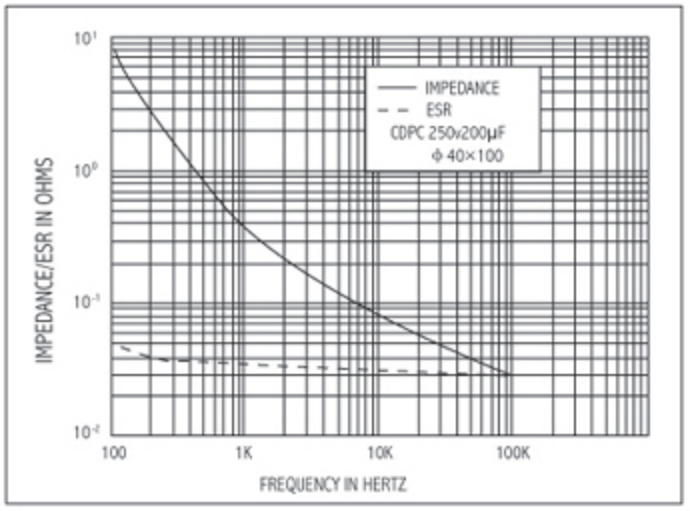


IA = actual ripple current at 120HZ ,IR = rated ripple current at 120HZ,85℃

Multiplier of Useful Life as a function of ambient temperature and ripple current load

特性曲线 Typical Curves





SNAP-IN/LUG

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