

FN

CD137型



- ◎耐高纹波,长寿命,85℃ 5000小时,可用于大功率电源、UPS不间断电源、变频器等电路中。
High ripple current ,Long life ,Load life of 5000 hours at 85℃.
Used large power source,Uninterruptible power supplies ,Frequency converter circuit .etc.
- ◎RoHS指令已对应完毕。Adapted to the RoHS directive.

主要技术性能 Specifications

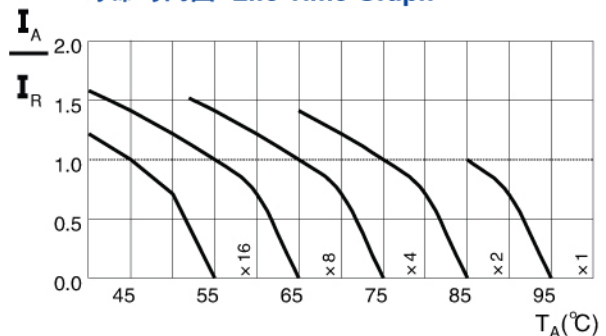
项目 Items	特性 Performance Characteristics				
使用温度范围 Operating temperature range	-25℃ ~ +85℃				
额定电压范围 Rated voltage range	350 ~ 450 V				
标称容量允许偏差 Capacitance tolerance	± 20% (120Hz, +20℃)				
漏电流 Leakage current	$I \leq 0.01CV(\mu A)$ 或5mA 5分钟 取较小值 (at 20℃,after 5 minutes ,Whichever is smaller)				
损耗角正切 (tg δ) Dissipation factor (+20℃, 120Hz)	≤ 0.15				
温度特性 Temperature characteristics (Impedance ratio at 120Hz)	<table border="1"> <tr> <td>Rated Voltage (V)</td> <td>350~450</td> </tr> <tr> <td>Z-25℃/Z+20℃</td> <td>8</td> </tr> </table>	Rated Voltage (V)	350~450	Z-25℃/Z+20℃	8
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Z-25℃/Z+20℃	8				
高温贮存 Shelf life	+85℃,1000小时贮存后,加额定工作电压处理30分钟,恢复16小时后: After storage for 1000 hours at +85℃,U _R to be applied for 30 minutes and then resumed 16 hours. 电容量变化率 capacitance change : ± 20%初始测量值以内 Initial measured value. 漏电流 Leakage current : ≤ 初始规定值Initial measured value. 损耗角正切值Dissipation factor : ≤ 2倍初始规定值 2times Initial specified Value.				

	使用寿命 (Useful Life)		负载寿命 (Load Life)	耐久性测试 (Endurance Test)
寿命时间(Lifetime)	10000h	> 75000h	5000h	5000h
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
电容量变化率(Capacitance Change)	± 30%初始测量值内 Within ± 30% initial value		± 20%初始测量值内 Within ± 20% initial value	± 10%初始测量值内 Within ± 10% initial value
损耗角正切值(Dissipation Factor)	≤ 3倍初始规定值 Not more than 300% of specified value		≤ 2倍初始规定值 Not more than 200% of specified value	≤ 1.3倍初始规定值 Not more than 130% of specified value
应用条件 (Condition)				
应用电压(Applied Voltage)	U _R	U _R	U _R	U _R
应用电流 (Applied Current)	I _R	1.4 × I _R	I _R	I _R =0
应用温度 (Applied Temperature)	85℃	40℃	85℃	85℃
失效率(Outlier Percentage)	≤ 1%	≤ 1%	0%	IEC60384

频率的修正系数 Frequency coefficient

Frequency (Hz)	50	100 (120)	300	1k	≥ 10K
Rated Voltage (V)					
350~450	0.70	1.00	1.10	1.30	1.40

寿命时间图 Life Time Graph



此图表示电容的使用寿命时间
The graphs shows a typical trend of the standard capacitor useful life.

Screw

■ 尺寸 Dimensions

Rated Voltage (V.D.C)	Surge Voltage (V.D.C)	Rated Capacitance (μ F)	Dissipation Factor MAX	Max ESR 20°C, 120Hz (m Ω)	Typ ESR 20°C, 120Hz (m Ω)	Max Ripple Current 85°C, 120Hz (Arms)	SIZE Φ D×L(mm)
350	400	1500	0.15	132	70.8	5.4	51 × 80
		2200	0.15	90.5	48.3	7.5	51 × 105
		2200	0.15	90.5	48.3	7.8	63.5 × 80
		2700	0.15	73.7	39.3	9.2	63.5 × 80
		3300	0.15	60.3	32.2	10.6	63.5 × 105
		3900	0.15	51.0	27.2	11.7	63.5 × 105
		4700	0.15	42.3	22.6	12.5	63.5 × 135
		4700	0.15	42.3	22.6	13	76 × 105
		5600	0.15	35.5	19.0	14.5	63.5 × 145
		6800	0.15	29.3	15.6	17.8	76 × 135
		8200	0.15	24.3	12.9	20.8	76 × 170
		10000	0.15	19.9	10.6	24.6	76 × 190
		12000	0.15	16.6	8.8	27.8	76 × 220
400	450	1000	0.15	212	112	4.9	51 × 80
		1500	0.15	141	75.2	6.8	51 × 105
		2200	0.15	96.5	51.3	8.1	63.5 × 80
		2700	0.15	78.6	41.8	9.2	63.5 × 105
		3300	0.15	64.3	34.2	10.6	63.5 × 115
		3900	0.15	54.4	28.9	12.3	76 × 110
		4700	0.15	45.2	24.0	14.4	76 × 130
		5600	0.15	37.9	20.1	16.5	76 × 145
		6800	0.15	31.2	16.6	18.1	76 × 170
		8200	0.15	25.9	13.8	20.8	76 × 190
		10000	0.15	21.2	11.3	23.2	76 × 220
450	500	1000	0.15	238	119	5.2	51 × 105
		1500	0.15	159	79.6	6.7	63.5 × 80
		2200	0.15	108	54.3	9.1	63.5 × 105
		2700	0.15	88.5	44.2	10.5	76 × 105
		3300	0.15	72.4	36.2	11.8	63.5 × 145
		3900	0.15	61.2	30.6	13.2	76 × 130
		4700	0.15	50.8	25.4	14.8	76 × 155
		5600	0.15	42.7	21.3	16.9	76 × 170
		6800	0.15	35.1	17.6	19.3	76 × 190
		8200	0.15	29.1	14.6	21.3	76 × 220
		10000	0.15	23.5	11.8	23.5	89 × 200