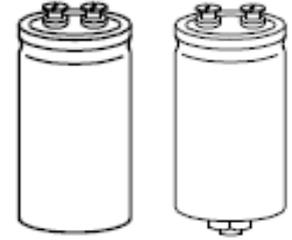


FN

- 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 Item	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
标称电容量允许偏差 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)
损耗角正切值 (tg δ) Dissipation factor (+20℃, 120Hz)	≤ 0.15
温度特性 Temperature characteristics (Impedance ratio at 120Hz)	Rated Voltage (V) 350~450
	$Z_{-25^\circ C} / Z_{+20^\circ C}$ 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 specified value 损耗角正切值 Dissipation factor : ≤2倍初始规定值 2times Initial specified value

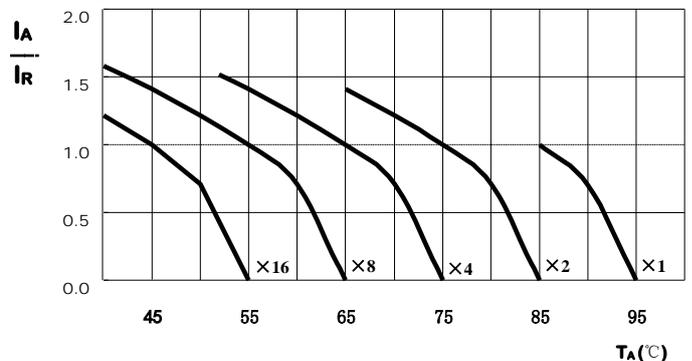
	使用寿命 (Useful Life)		负载寿命 (Load Life)	耐久性测试 (Endurance Test)
寿命时间 (Lifetime)	10000h	>75000h	5000h	5000h
漏电流 (Leakage Current)	≤初始规定值 Not more than specified value		≤初始规定值 Not more than specified value	≤初始规定值 Not more than specified value
电容量变化率 (Caacitance Change)	±30%初始测量值内 Within ±30% initial value		±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) 应用电流 (Applied Current) 应用温度 (Applied Temperature) 失效率 (Outlier Percentage)	U_R I_R 85℃ ≤1%	U_R $1.4 \times I_R$ 40℃ ≤1%	U_R I_R 85℃ 0%	U_R $I_R=0$ 85℃ IEC60384

纹波电流的相关参数 Multiplier for Ripple Current

频率系数 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.

技术参数 Technical data

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