

GN

特点 Features

- 85°C 10000H. 85°C 10000 hours.
- 电压范围：400V~450V。 Voltage range : 400V~450V.
- 耐高纹波，更长寿命。 High ripple current, Super long life.
- 满足RoHS要求。 RoHS compliant.



主要技术性能 Specifications

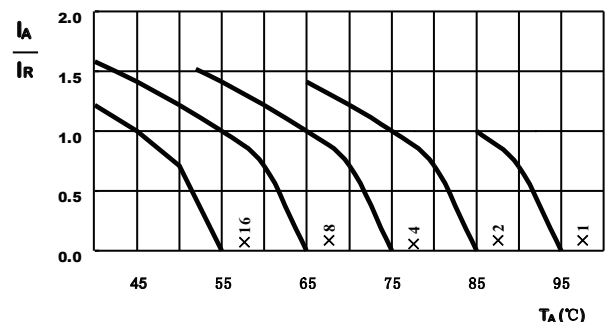
项目 Items	特性 Performance Characteristics					
类别温度范围 Category Temperature Range	-25~+85°C					
额定电压范围 Rated Voltage(U _R)	400 ~ 450V					
标称容量范围 Nominal Capacitance Range(C _R)	1500~15000µF	120Hz, +20°C				
标称容量允许偏差 Allowed Capacitance Tolerance(C _r)	±20%(M)	120Hz, +20°C				
漏电流 Leakage Current(I _L)	≤0.01 C _R U _R (µA)或5(mA),取较小值 (Whichever is smaller)					
损耗角正切值 Tangent of loss angle(Tanδ)	≤0.15					
低温特性 Characteristics at low Temperature	<table border="1"> <tr> <td>U_R(V)</td> <td>400~450</td> </tr> <tr> <td>Z_{-25°C} / Z_{+20°C}</td> <td>8</td> </tr> </table>	U _R (V)	400~450	Z _{-25°C} / Z _{+20°C}	8	Max. 120Hz, +20°C
U _R (V)	400~450					
Z _{-25°C} / Z _{+20°C}	8					
高温贮存 Shelf Life	+85°C 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°C, 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 within ±20% of initial value 损耗角正切值 Tanδ : ≤2倍初始规定值 Not more than 200% of specified value 漏电流 Leakage current : ≤初始规定值 Not more than 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)	15000h	> 150000h	10000h	10000h
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		±25%初始测量值内 Within ±25% 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		≤2.5倍初始规定值 Not more than 250% of specified value	≤1.3倍初始规定值 Not more than 130% of specified value
应用条件(Condition)	U _R	U _R	U _R	U _R
应用电压(Applied Voltage)	I _R	1.4×I _R	I _R	I _R =0
应用电流(Applied Current)	85°C	40°C	85°C	85°C
应用温度(Applied Temperature)	≤1%	≤1%	0%	0%
失效率(Outlier Percentage)				

频率系数 Frequency Coefficient

Frequency (Hz)	U _R (V)				
	50	100 (120)	300	1k	≥10K
400~450	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.

规格特性表
Table of specifications and characteristics

$U_R(V)$	$C_R(\mu F)$	DF_{max} 120Hz 20°C -	ESR_{max} 120Hz 25°C mΩ	ESR_{typ} 120Hz 25°C mΩ	$I_{AC,max}$ 120Hz 85°C A	$\Phi D \times L$ mm×mm
400	1500	0.15	141	75.2	6.8	51×115
	2200	0.15	96.5	51.3	8.3	51×115
	3300	0.15	64.3	34.2	11.0	63.5×115
	3900	0.15	54.4	28.9	12.4	63.5×130
	4700	0.15	45.2	24.0	14.4	76×115
	5600	0.15	37.9	20.1	16.3	76×130
	6800	0.15	31.2	16.6	18.9	76×155
	8200	0.15	25.9	13.8	21.5	76×170
	10000	0.15	21.2	11.3	25.2	89×155
	12000	0.15	16.5	9.5	29.1	89×195
	15000	0.15	13.5	7.3	35.0	89×195
450	1500	0.15	159	79.6	6.5	51×115
	2200	0.15	108	54.3	8.8	63.5×95
	3300	0.15	72.4	36.2	11.5	63.5×130
	3900	0.15	61.2	30.6	13.1	76×115
	4700	0.15	50.8	25.4	14.8	76×130
	5600	0.15	42.7	21.3	16.8	76×155
	6800	0.15	35.1	17.6	20.1	76×170
	8200	0.15	29.1	14.6	23.1	89×155
	10000	0.15	23.5	11.8	26.8	89×195
	12000	0.15	16.5	9.4	31.5	89×235

ALUMINIUM ELECTROLYTIC CAPACITORS

SMD

MINIATURE

BI-POLAR

STANDARD

LOW-ESR

HIGH RELIABILITY

SNAP-IN

SCREW