

LN

特点 Features

- 105°C 5000小时。105°C 5000 hours.
- 电压范围：350V~450V。Voltage range : 350V~450V.
- 耐高纹波，长寿命。High ripple current, Long life.
- 满足RoHS要求。RoHS compliant.



主要技术性能 Specifications

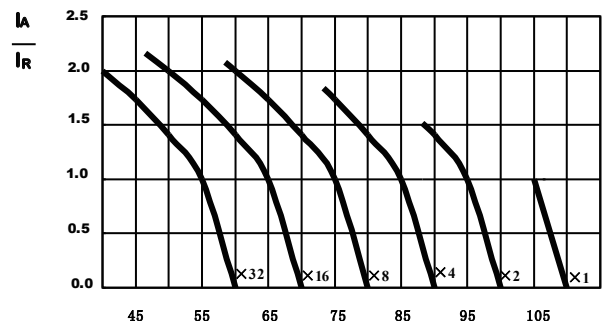
项目 Items	特性 Performance Characteristics					
类别温度范围 Category Temperature Range	-25~+105°C					
额定电压范围 Rated Voltage(U _R)	350 ~ 450V					
标称电容范围 Nominal Capacitance Range(C _n)	1000~10000μF	120Hz, +20°C				
标称电容允许偏差 Allowed Capacitance Tolerance(C _T)	±20%(M)	120Hz, +20°C				
漏电流 Leakage Current(I _L)	I _L ≤ 0.01 CRUR (μA) 或5mA 取较小值 (Whichever is smaller)					
损耗角正切值 Tangent of loss angle(Tanδ)	≤0.15	Max. 120Hz, +20°C				
低温特性 Characteristics at low Temperature	<table border="1"> <tr> <td>U_R(V)</td> <td>350~450</td> </tr> <tr> <td>Z_{-25°C} / Z_{+20°C}</td> <td>8</td> </tr> </table>	U _R (V)	350~450	Z _{-25°C} / Z _{+20°C}	8	Max. 120Hz
U _R (V)	350~450					
Z _{-25°C} / Z _{+20°C}	8					
高温贮存 Shelf Life	+105°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 +105°C, UR to be applied for 30 minutes and then resumed for 16 hours: 电容量变化率 Capacitance change : ±20%初始测量值以内 ±20% of the 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 ≤2 times of the 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)	9000h	> 200000h	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)	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)	105°C	50°C	105°C	105°C
应用温度(Applied Temperature)	≤1%	≤1%	0%	0%
失效率(Outlier Percentage)				

频率系数 Frequency Coefficient

Frequency (Hz)	50	100 (120)	300	1k	≥10K
U _R (V)					
350~450	0.80	1.00	1.10	1.25	1.50

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. **T_a(°C)**

规格特性表

Table of specifications and characteristics

U_R (V)	C_R (μ F)	DF_{max} 120Hz 20°C -	ESR_{max} 120Hz 25°C m Ω	ESR_{typ} 120Hz 25°C m Ω	$I_{AC,max}$ 120Hz 105°C A	$\Phi D \times L$ mm \times mm
350	1000	0.15	249	81	4.2	51 \times 80
	1500	0.15	166	54	5.2	51 \times 80
	2200	0.15	113	37	7.0	51 \times 105
	2700	0.15	92	30	7.2	63.5 \times 90
	3300	0.15	75	25	8.5	63.5 \times 110
	3900	0.15	64	21	9.6	63.5 \times 120
	4700	0.15	53	17	11.5	63.5 \times 145
	4700	0.15	53	17	11.5	76 \times 115
	5600	0.15	44	14	13.4	76 \times 130
	6800	0.15	37	12	15.2	76 \times 150
	8200	0.15	30	10	18.4	76 \times 170
	8200	0.15	30	10	18.4	89 \times 145
	10000	0.15	25	8	21.2	76 \times 200
	10000	0.15	25	8	21.0	89 \times 155
400	1000	0.15	249	81	4.3	51 \times 80
	1500	0.15	166	54	5.8	51 \times 105
	2200	0.15	113	37	7.6	51 \times 130
	2200	0.15	113	37	7.6	63.5 \times 105
	2700	0.15	92	30	7.9	63.5 \times 115
	3300	0.15	75	25	9.2	63.5 \times 130
	3300	0.15	75	25	9.4	76 \times 105
	3900	0.15	64	21	10.8	76 \times 120
	4700	0.15	53	17	12.6	76 \times 145
	5600	0.15	44	14	14.5	76 \times 155
	6800	0.15	37	12	17.3	76 \times 190
	6800	0.15	37	12	17.8	89 \times 155
	8200	0.15	30	10	20.0	76 \times 220
	8200	0.15	30	10	20.2	89 \times 170
	10000	0.15	25	8	23.2	89 \times 190
	450	1000	0.15	249	81	4.7
1500		0.15	166	54	6.2	51 \times 120
2200		0.15	113	37	7.3	63.5 \times 120
2700		0.15	92	30	8.2	63.5 \times 130
3300		0.15	75	25	10.3	76 \times 130
3900		0.15	64	21	11.6	76 \times 150
4700		0.15	53	17	13.6	76 \times 170
5600		0.15	44	14	15.5	76 \times 190
5600		0.15	44	14	15.5	89 \times 150
6800		0.15	37	12	18.3	76 \times 220
6800		0.15	37	12	18.3	89 \times 175
8200		0.15	30	10	22.5	89 \times 220
10000		0.15	25	8	25.2	89 \times 235