

JN

特点 Features

- 105°C 7000H. 105°C 7000 hours.
- 电压范围：350V~500V. Voltage range：350V~500V.
- 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

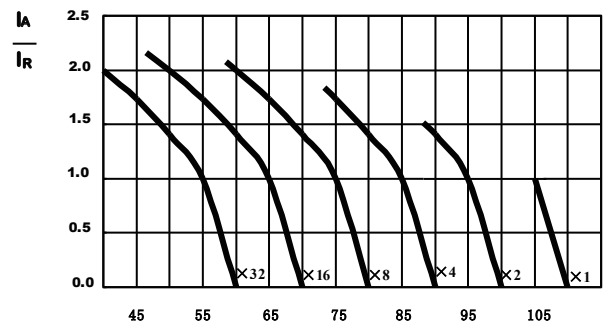
项目 Items	特性 Performance Characteristics	
类别温度范围 Category Temperature Range	-25~+105°C	
额定电压范围 Rated Voltage(U _R)	350~ 500V	
标称电容范围 Nominal Capacitance Range(C _R)	1800~10000µF	
标称电容允许偏差 Allowed Capacitance Tolerance(C _T)	±20%(M)	120Hz, +20°C
漏电流 Leakage Current(I _L)	I _L ≤ 0.01 C _R U _R (µA)或5(mA),取较小值 (Whichever is smaller)	
损耗角正切值 Tangent of loss angle(Tanδ)	小于图表中规定数值 Less than the value specified in the standard products tables	
低温特性 Characteristics at low Temperature	U _R	350-450 500
	Z _{-25°C} / Z _{+20°C}	7 12
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, 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)	10500h	> 200000h	7000h	7000h
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)		1.2×I _R		I _R =0
应用电流(Applied Current)	I _R		I _R	
应用温度(Applied Temperature)	105°C	40°C	105°C	105°C
失效率(Outlier Percentage)	≤1%	≤1%	0%	0%

频率系数 Frequency Coefficient

Frequency (Hz)	50	100 (120)	300	1k	≥10K
U _R (V)					
350~500	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.

规格特性表
Table of specifications and characteristics

U_r (V)	C_r (μF)	DF_{max} 120Hz 20°C -	ESR_{max} 120Hz 25°C mΩ	ESR_{typ} 120Hz 25°C mΩ	$I_{AC,max}$ 120Hz 105°C A	ΦD×L mm×mm
350	3300	0.15	75	27	8.96	63.5×115
	3900	0.15	64	23	10.29	63.5×130
	4700	0.15	53	19	12.22	63.5×155
	4700	0.15	53	19	11.84	76×115
	5600	0.15	44	16	13.91	63.5×170
	5600	0.15	44	16	13.63	76×130
	6800	0.15	37	13	14.24	76×155
	8200	0.15	30	11	18.57	76×170
	8200	0.15	30	11	19.46	89×155
	10000	0.15	25	9	22.38	89×170
400	2700	0.15	92	33	8.11	63.5×115
	3300	0.15	75	27	9.46	63.5×130
	3900	0.15	64	23	11.13	63.5×155
	3900	0.15	64	23	10.78	76×115
	4700	0.15	53	19	12.75	63.5×170
	4700	0.15	53	19	12.48	76×130
	5600	0.15	44	16	12.92	76×155
	6800	0.15	37	13	16.91	76×170
	6800	0.15	37	13	17.72	89×155
	8200	0.15	30	11	20.27	89×170
450	2200	0.15	113	54	6.34	63.5×115
	2700	0.15	92	44	7.41	63.5×130
	2700	0.15	92	44	7.77	76×115
	3300	0.15	75	36	8.87	63.5×155
	3300	0.15	75	36	9.06	76×130
	3900	0.15	64	30	10.05	63.5×170
	4700	0.15	53	25	11.68	76×155
	5600	0.15	44	21	13.98	76×190
	5600	0.15	44	21	13.93	89×155
	6800	0.15	37	17	15.99	89×170
500	1800	0.20	184	74	5.40	63.5×115
	2200	0.20	151	60	6.31	63.5×130
	2700	0.20	123	49	7.56	63.5×155
	2700	0.20	123	49	7.33	76×115
	3300	0.20	101	40	8.54	76×130
	3300	0.20	101	40	8.54	76×130
	3900	0.20	85	34	10.03	76×155
	4700	0.20	71	28	11.48	76×170
	5600	0.20	59	24	13.13	89×155
	6800	0.20	49	20	15.84	89×190