

# JN CD139型

◎耐高纹波,长寿命,105℃ 8000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 8000 hours at 105℃.  
Used large power source,Uninterruptible power supplies ,Frequency converter circuit .etc.



◎RoHS指令已对应完毕。Adapted to the RoHS directive.

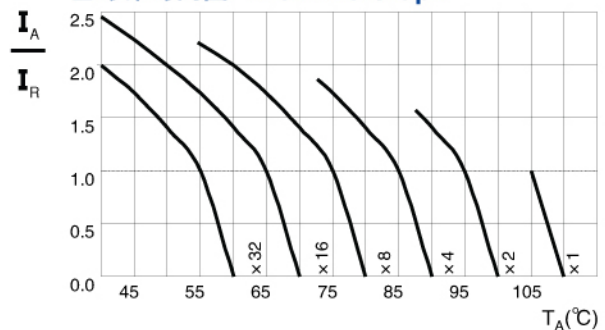
## 主要技术性能 Specifications

项目 Items	特性 Performance Characteristics			
使用温度范围 Operating temperature range	-25℃ ~ +105℃			
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 ( tg δ ) Dissipation factor (+20℃, 120Hz)	≤ 0.18			
温度特性 Temperature characteristics (Impedance ratio at 120Hz)	Rated Voltage (V)	350~450		
	Z-25℃/Z+20℃	8		
高温贮存 Shelf life	+105℃,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℃,U <sub>R</sub> 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)	12000h	> 250000h	8000h	8000h
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	± 20%初始测量值内 Within ± 20% 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	≤ 2倍初始规定值 Not more than 200% of specified value
应用条件 ( Condition )				
应用电压(Applied Voltage)	U <sub>R</sub>	U <sub>R</sub>	U <sub>R</sub>	U <sub>R</sub>
应用电流 ( Applied Current )	I <sub>R</sub>	1.8 × I <sub>R</sub>	I <sub>R</sub>	I <sub>R</sub> =0
应用温度 ( Applied Temperature )	105℃	50℃	105℃	105℃
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)	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.

**■ 尺寸 Dimensions**

Rated Voltage (V.D.C)	Surge Voltage (V.D.C)	Rated Capacitance ( $\mu$ F)	Dissipation Factor MAX	Max ESR 20°C, 120Hz (m $\Omega$ )	Typ ESR 20°C, 120Hz (m $\Omega$ )	Max Ripple Current 105°C, 120Hz (Arms)	SIZE $\Phi$ D×L(mm)
350	400	1000	0.18	150	66	3.8	51 × 80
		1500	0.18	105	44	4.9	51 × 90
		2200	0.18	71	30	6.5	51 × 110
		2700	0.18	59	24	7.9	63.5 × 105
		3300	0.18	50	20	9.2	63.5 × 120
		3900	0.18	44	17	10.8	63.5 × 140
		4700	0.18	38	14	12.3	76 × 120
		5600	0.18	30	12	14.2	76 × 140
		6800	0.18	26	10	16.5	76 × 155
400	450	1000	0.18	150	80	3.5	51 × 80
		1500	0.18	98	53	4.9	51 × 105
		2200	0.18	59	36	6.5	51 × 130
		2700	0.18	53	29	7.8	63.5 × 120
		3300	0.18	44	24	9.2	76 × 110
		3900	0.18	36	20	10.5	76 × 120
		4700	0.18	30	17	12.1	76 × 135
		5600	0.18	26	14	13.9	76 × 155
450	500	1000	0.18	143	93	3.8	51 × 105
		1500	0.18	95	62	5.1	51 × 125
		2200	0.18	65	42	7.1	63.5 × 135
		2700	0.18	50	34	8.1	76 × 115
		3300	0.18	41	28	9.6	76 × 135
		3900	0.18	35	23	10.9	76 × 150
4700	0.18	30	20	12.7	76 × 175		