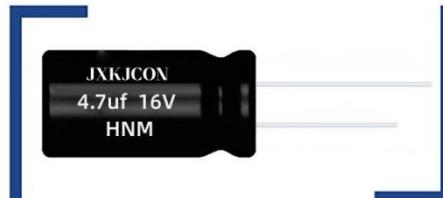


# HNM 系列 Series

## 特点 Features

- 5mm高, 双极性。  
Be 5mm in height, Bi-polar.
- 适用于信号耦合等极性需反转换电路。  
Used in circuits what polarity is reversed, such as signal coupling, etc.
- RoHS指令已对应完毕。  
Adapted to the RoHS directive.



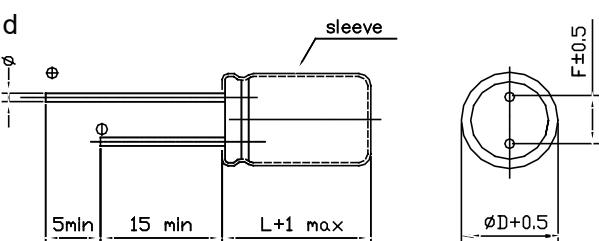
## 主要技术性能 Specifications

项目 Item	特性 Performance Characteristics						
使用温度范围 Operating Temperature Range	-40~+85°C						
额定电压范围 Rated Voltage Range	6.3~50V						
标称电容量范围 Nominal Capacitance Range	0.1~47μF						
标称电容量允许偏差 Capacitance Tolerance	±20% (120Hz, +20°C)						
正反漏电流 Leakage Current	≤0.05CV or 10(μA) 2分钟(at 20°C, after 2 minutes) 取较大者(whichever is greater)						
损耗角正切值 (tgδ) Dissipation Factor (+20°C, 120 Hz)	U <sub>r</sub> (V)	6.3	10	16	25	35	50
	tgδ	0.28	0.24	0.20	0.18	0.15	0.15
温度特性Temperature Characteristics (Impedance ratio at 120Hz)	U <sub>r</sub> (V)	6.3	10	16	25	35	50
	Z-25°C / Z+20°C	4	3	2	2	2	2
	Z-40°C / Z+20°C	8	6	4	4	3	3
耐久性 Load life	+ 85°C加额定电压1000小时(每250小时反极性一次)恢复16小时后: After applying rated voltage for 1000 hours at +85°C ( with the polarity inverted every 250 hours ) and then resumed for 16 hours: 电容量变化率 Capacitance change : ± 25 %初始测量值以内 ± 25% of the initial measured value 漏 电 流 Leakage current : ≤ 初始规定值 ≤The initial specified value 损耗角正切值 Dissipation factor : ≤ 2倍初始规定值 ≤ 2times of the initial specified value						
高温贮存 Shelf life	+85°C, 1000小时贮存后, 恢复16小时后: After storage for 1000 hours at +85°C and then resumed for 16 hours: 电容量变化率 Capacitance change : ± 25 %初始测量值以内 ± 25% of the initial measured value 漏 电 流 Leakage current : ≤ 2倍初始规定值 ≤ 2times of the initial specified value 损耗角正切值 Dissipation factor : ≤ 2倍初始规定值 ≤ 2times of the initial specified value						

## 频率修正系数 Frequency Coefficient

CAP(μF)	F(Hz)			
	60	120	1K	≥10k
0.1~47	0.8	1	1.45	1.7

## 外形图及尺寸表 Case Size Table



单位 Unit: mm			
D	4	5	6.3
F	1.5	2.0	2.5
d	0.45		

## 尺寸 Dimensions

CAP(μF)	WV	6.3V(0J)		10V(1A)		16V(1C)		25V(1E)		35V(1V)		50V(1H)	
		Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1	0R1											4×5	1.0
0.22	R22											4×5	2.0
0.33	R33											4×5	2.8
0.47	R47											4×5	4.0
1	010											4×5	8.4
2.2	2R2											5×5	13
3.3	3R3							5×5	12	5×5	15	5×5	17
4.7	4R7					4×5	12	5×5	16	5×5	18	6.3×5	20
10	100			4×5	17	5×5	23	6.3×5	27	6.3×5	29	6.3×5	33
22	220	5×5	28	6.3×5	33	6.3×5	37	6.3×5	42				
33	330	6.3×5	37	6.3×5	41								
47	470	6.3×5	45										

Size φD×L(mm)

Maximum Allowable Ripple Current (mA rms) at 85°C 120Hz