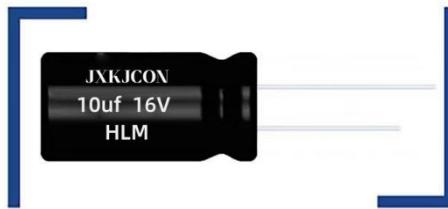


HLM 系列 Series

特点 Features

- 5mm高度，良好的低漏电特性。5mmL, extremely low leakage current.
- 适用于高保真前置放大及电视振荡回路。
Used in HI-FI pre-amplifiers and TV oscillation loop circuits.
- RoHS指令已对应完毕。Adapted to the RoHS directive.



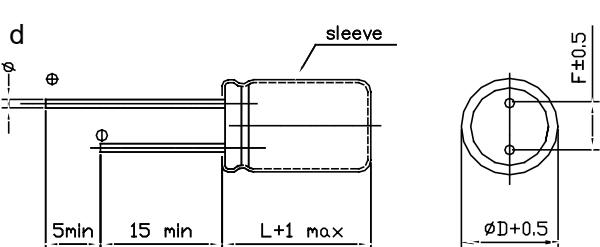
主要技术性能 Specifications

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	6.3~63V							
标称电容量范围 Nominal Capacitance Range	0.1~100μF							
标称电容量允许偏差 Capacitance Tolerance	±20% (120Hz, +20°C)							
漏电流 Leakage Current	I ≤ 0.002CV or 0.4(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, 120Hz)	U _r (V)	6.3	10	16	25	35	50	63
	tgδ	0.26	0.22	0.18	0.16	0.14	0.12	0.10
温度特性Temperature Characteristics (Impedance ratio at 120Hz)	U _r (V)	6.3	10	16	25	35	50	63
	Z-25°C / +20°C	4	3	2	2	2	2	2
	Z-40°C / +20°C	10	8	6	4	3	3	3
耐久性 Load Life	+85°C加额定电压1000小时, 恢复16小时后: After applying rated voltage 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 : ≤初始规定值 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, 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 : ±25%初始测量值以内 ±25 % 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 2times of the Initial specified value							

频率修正系数 Frequency Coefficient

CAP(uF)	F(Hz)	60	120	1K	≥10K
0.1~22	0.8	1	1.5	1.7	
33~100	0.8	1	1.25	1.35	

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

WV		6.3V(0J)		10V(1A)		16V(1C)		25V(1E)		35V(1V)		50V(1H)		63V(1J)		
		CAP(μF)	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1	0R1														4x5	0.7
0.22	R22														4x5	1.3
0.33	R33														4x5	1.9
0.47	R47														4x5	2.7
1	010														4x5	5.5
2.2	2R2														4x5	8
3.3	3R3														4x5	10
4.7	4R7														5x5	11
10	100						4x5	14	4x5	15	5x5	18	5x5	20	6.3x5	22
22	220				4x5	19	5x5	22	5x5	25	6.3x5	28	6.3x5	31		
33	330	5x5	19	5x5	25	5x5	27	6.3x5	30	6.3x5	34					
47	470	5x5	22	5x5	30	6.3x5	34	6.3x5	38							
100	101	6.3x5	37	6.3x5	46											

Size φD×L(mm)

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