

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变换电路。
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.



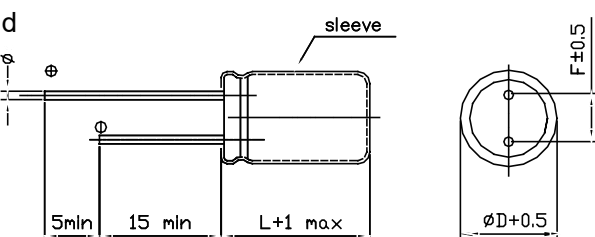
主要技术性能 Specifications

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																					
标称电容范围 Nominal Capacitance Range	0.1~47μF																					
标称电容允许偏差 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)	<table border="1"> <thead> <tr> <th>U_r (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>tgδ</td> <td>0.28</td> <td>0.24</td> <td>0.20</td> <td>0.18</td> <td>0.15</td> <td>0.15</td> </tr> </tbody> </table>	U _r (V)	6.3	10	16	25	35	50	tgδ	0.28	0.24	0.20	0.18	0.15	0.15							
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耐久性 Load life	+85°C加额定电压1000小时(每250小时反转极性一次)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

F(Hz)	60	120	1K	≥10k
CAP(μF)				
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	6.3×5	20
10	100			4×5	17	5×5	23	6.3×5	27	6.3×5	29	6.3×5	33	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