

HNS系列 Series

特点 Features

- 7mm高度，双极性。7mmL, Bi-Polarized
- 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.



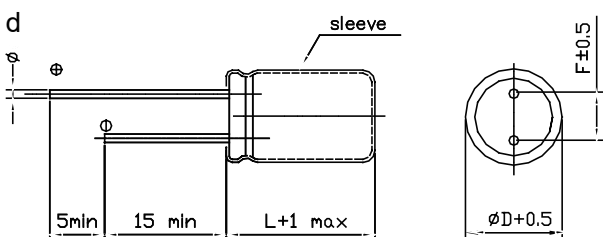
主要技术性能 Specifications

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	6.3~63V																								
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)																								
正反漏电流 Leakage Current	I ≤ 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, 120Hz)	<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> <th>63</th> </tr> </thead> <tbody> <tr> <td>tgδ</td> <td>0.26</td> <td>0.22</td> <td>0.20</td> <td>0.18</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> </tr> </tbody> </table>	U _R (V)	6.3	10	16	25	35	50	63	tgδ	0.26	0.22	0.20	0.18	0.16	0.14	0.12								
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温度特性 Temperature Characteristics (Impedance ratio at 120Hz)	<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> <th>63</th> </tr> </thead> <tbody> <tr> <td>Z-25°C / +20°C</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z-40°C / +20°C</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> </tr> </tbody> </table>	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	8	6	4	4	3	3	3
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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

CAP(μF) \ F(Hz)	60	120	1K	≥10K
	0.1~68	0.8	1	1.45
100	0.8	1	1.35	1.5

外形图及尺寸表 Case Size Table



单位 Unit: mm

D	4	5	6.3	8
F	1.5	2.0	2.5	3.5
d	0.45		0.5	

尺寸 Dimensions

CAP(μF)		WV		6.3V(0J)		10V(1A)		16V(1C)		25V(1E)		35V(1V)		50V(1H)		63V(1J)	
				Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1	0R1													4×7	0.8		
0.22	R22													4×7	2.0		
0.33	R33													4×7	3.0		
0.47	R47													4×7	4.0		
1	010													4×7	8.5	4×7	11
2.2	2R2													4×7	14	5×7	18
3.3	3R3								4×7	13	4×7	16	5×7	19	6.3×7	23	
4.7	4R7					4×7	16	5×7	18	5×7	22	6.3×7	25	8×7	28		
10	100			4×7	21	5×7	26	6.3×7	29	6.3×7	32	8×7	40				
22	220	4×7	29	4×7	33	6.3×7	39	6.3×7	43	8×7	48						
33	330	5×7	37	5×7	45	6.3×7	48	8×7	53								
47	470	6.3×7	48	5×7	53	8×7	63										
100	101	8×7	75	6.3×7	82												

Size φD×L(mm)

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