

# VN

## 特点 Features

- 保证85°C 1000小时。Endurance 1000h at 85°C.
- 额定电压范围：6.3~50V。Rated Voltage Range:6.3~50V.
- 双极性。Bi-polar Type.
- 满足RoHS。RoHS Compliant.



## 主要技术性能 Specifications

项目 Items	特性 Performance Characteristics																						
类别温度范围 Category Temperature Range	-40°C~+85°C																						
额定电压范围 Rated Voltage(U <sub>R</sub> )	6.3 ~ 50V																						
标称容量范围 Nominal Capacitance Range(C <sub>R</sub> )	0.1 ~ 100μF	120Hz, +20°C																					
标称容量允许偏差 Allowed Capacitance Tolerance(C <sub>T</sub> )	±20%(M)	120Hz, +20°C																					
漏电流 Leakage Current(I <sub>L</sub> )	≤0.05C <sub>R</sub> U <sub>R</sub> 或者10μA 取较大值 ( Whichever is greater )																						
损耗角正切值 Tangent of loss angle(Tanδ)	<table border="1"> <tr> <td>U<sub>R</sub>(V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>Tanδ</td> <td>0.26</td> <td>0.22</td> <td>0.20</td> <td>0.20</td> <td>0.20</td> <td>0.18</td> </tr> </table>	U <sub>R</sub> (V)	6.3	10	16	25	35	50	Tanδ	0.26	0.22	0.20	0.20	0.20	0.18	Max. 120Hz,+20°C							
U <sub>R</sub> (V)	6.3	10	16	25	35	50																	
Tanδ	0.26	0.22	0.20	0.20	0.20	0.18																	
低温特性 Characteristics at Low Temperature	<table border="1"> <tr> <td>U<sub>R</sub> (V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>Z<sub>-25°C</sub> / Z<sub>+20°C</sub></td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z<sub>-40°C</sub> / Z<sub>+20°C</sub></td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> </tr> </table>	U <sub>R</sub> (V)	6.3	10	16	25	35	50	Z <sub>-25°C</sub> / Z <sub>+20°C</sub>	4	3	2	2	2	2	Z <sub>-40°C</sub> / Z <sub>+20°C</sub>	8	6	4	4	3	3	Max. 120Hz
U <sub>R</sub> (V)	6.3	10	16	25	35	50																	
Z <sub>-25°C</sub> / Z <sub>+20°C</sub>	4	3	2	2	2	2																	
Z <sub>-40°C</sub> / Z <sub>+20°C</sub>	8	6	4	4	3	3																	
耐久性 Load Life	+85°C施加额定电压1000小时后，每250小时换向一次，恢复16小时后： After 1000 hours' application of rated voltage at 85°C, with the polarity inverted every 250 hours and then recovery 16 hours:																						
	容量变化率 Capacitance change	±20%初始值以内 Within ±20% of initial value																					
	损耗角正切值 Tanδ	≤ 200%初始规定值 Not more than 200% of 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 recovery 16 hours:																						
	容量变化率 Capacitance change	±20%初始值以内 Within ±20% of initial value																					
	损耗角正切值 Tanδ	≤ 200%初始规定值 Not more than 200% of specified value																					
耐焊接热 Resistance to Soldering Heat	在250°C的条件下，电容器在热板上保持30秒，然后从热板上取出电容器，让其在室温下恢复，电容器应满足以下要求： The capacitors shall be kept on the hot plate maintained at 250°C for 30 seconds. After removing from the hot plate and restored at room temperature, they meet the following requirement.																						
	容量变化率 Capacitance change	±10%初始值以内 Within ±10% of initial value																					
	损耗角正切值 Tanδ	≤初始规定值 Not more than specified value																					
漏电流 Leakage current	≤ 初始规定值 Not more than specified value																						

ALUMINIUM ELECTROLYTIC CAPACITORS

SMD

MINIATURE

BI-POLAR

STANDARD

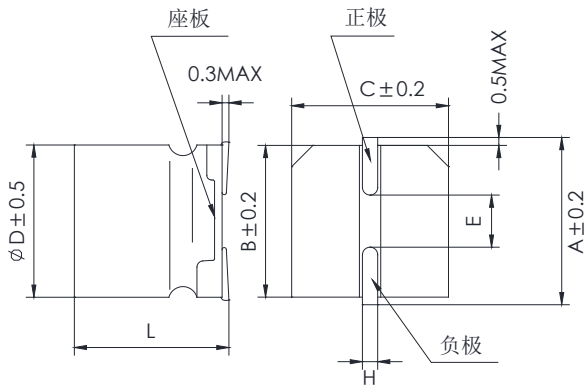
LOW-ESR

HIGH RELIABILITY

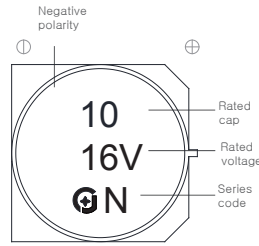
SNAP-IN

SCREW

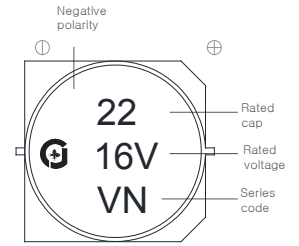
尺寸图 Dimensional drawings



Marking  
ΦD=4~5mm



ΦD=6.3mm



尺寸表 Size table

单位 Unit: mm

ΦD	L	A	B	C	E±0.2	H
4	5.4 <sup>+0.2</sup> <sub>-0.1</sub>	5.0	4.3	4.3	1.0	0.5~0.8
5	5.4 <sup>+0.2</sup> <sub>-0.1</sub>	5.0	5.3	5.3	1.3	
6.3	5.4 <sup>+0.2</sup> <sub>-0.1</sub>	7.3	6.6	6.6	2.2	
6.3	7.7±0.3	7.3	6.6	6.6	2.2	

规格特性表

Table of specifications and characteristics

U <sub>R</sub> (V) C <sub>R</sub> (μF)	6.3V		10V		16V		25V		35V		50V	
	ΦDxL mm*mm	I <sub>ACR</sub> 120Hz 85°C mA	ΦDxL mm*mm	I <sub>ACR</sub> 120Hz 85°C mA	ΦDxL mm*mm	I <sub>ACR</sub> 120Hz 85°C mA	ΦDxL mm*mm	I <sub>ACR</sub> 120Hz 85°C mA	ΦDxL mm*mm	I <sub>ACR</sub> 120Hz 85°C mA	ΦDxL mm*mm	I <sub>ACR</sub> 120Hz 85°C mA
0.1											4×5.4	2.3
0.22											4×5.4	3.3
0.33											4×5.4	4.1
0.47											4×5.4	4.9
1											4×5.4	8.4
2.2									4×5.4	10	5×5.4	13
3.3							4×5.4	13	5×5.4	17	5×5.4	17
4.7					4×5.4	14	5×5.4	20	5×5.4	21	6.3×5.4	20
10			4×5.4	18	5×5.4	26	6.3×5.4	35	6.3×5.4	35	6.3×7.7	36
22	5×5.4	28	6.3×5.4	40	6.3×5.4	45	6.3×7.7	50	6.3×7.7	54		
33	6.3×5.4	37	6.3×5.4	50	6.3×5.4	55	6.3×7.7	61				
47	6.3×5.4	45	6.3×7.7	61	6.3×7.7	75						
100	6.3×7.7	82										

额定纹波电流频率修正系数

Frequency correction factor for ripple current

Frequency ( Hz )	50	120	300	1K	≥10K
Coefficient ( kf )	0.70	1.00	1.17	1.36	1.50