

音频电容

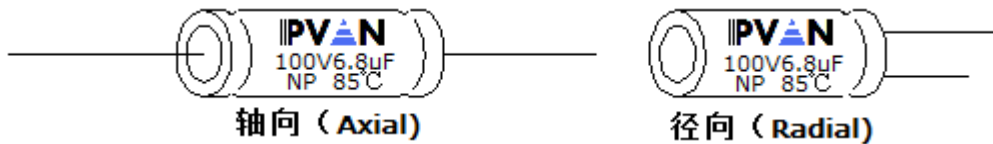
NO-POLAR ELECTROLYTIC CAPACITORS FOR SOUNDER

- 寿命: +85°C, 1000 小时 Load life of 1000 hours at +85°C
- 广泛用于音频电路中
Used in audio frequency

■ 主要技术性能 Specifications

项目 Item	特性 Characteristics								
使用温度范围 Operating temperature range(°C)	-40~+85								
额定电压范围 Rated voltage range(V)	25~100								
标称容量范围 Nominal capacitance range(μ F)	0.1~2200								
标称容量允许偏差 Capacitance tolerance(%)	±20 (M) ,or ±10 (K), or ±5 (J) , or ±2.5 (H) (20°C,1KHz)								
漏电流 Leakage current(μ A)	$I \leq 0.03C_R U_R + 3$ (5 分钟, 5min)								
损耗角正切值 Dissipation factor(tg δ) (20°C,1KHz)	tg δ (max) : 3%~20% 详见外形尺寸表, The detailed to consider case size table								
耐久性 Load life (+85°C, CD71H: +105°C)	<table border="1"> <tr> <td>时间 time</td> <td>1000 小时每 250 小时换向一次 1000 hours with the polarity inverted every 250 hours</td> </tr> <tr> <td>容量变化率 Capacitance change</td> <td>±20%初始测量值以内 Within±20% of the initial value</td> </tr> <tr> <td>漏电流 Leakage current</td> <td>≤初始规定值 Not more than the Initial specified value</td> </tr> <tr> <td>损耗角正切值 Dissipation factor</td> <td>≤200%初始规定值 Not more than 200% of the Initial specified value</td> </tr> </table>	时间 time	1000 小时每 250 小时换向一次 1000 hours with the polarity inverted every 250 hours	容量变化率 Capacitance change	±20%初始测量值以内 Within±20% of the initial value	漏电流 Leakage current	≤初始规定值 Not more than the Initial specified value	损耗角正切值 Dissipation factor	≤200%初始规定值 Not more than 200% of the Initial specified value
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高温贮存 Shelf life (+85°C, CD71H: +105°C)	<table border="1"> <tr> <td>时间 time</td> <td>500 小时 500 hours</td> </tr> <tr> <td>容量变化率 Capacitance change</td> <td>±10%初始测量值以内 Within±10% of the initial value</td> </tr> <tr> <td>漏电流 Leakage current</td> <td>≤初始规定值 Not more than the Initial specified value</td> </tr> <tr> <td>损耗角正切值 Dissipation factor</td> <td>≤150%初始规定值 Not more than 150% of the Initial specified value</td> </tr> </table>	时间 time	500 小时 500 hours	容量变化率 Capacitance change	±10%初始测量值以内 Within±10% of the initial value	漏电流 Leakage current	≤初始规定值 Not more than the Initial specified value	损耗角正切值 Dissipation factor	≤150%初始规定值 Not more than 150% of the Initial specified value
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试验后: 施加标称电压 30 分钟, 于 24 至 48 小时之间测试。 After test: U_R to be applied for 30 minutes, 24 to 48 hours before measurement.									

■ 外形尺寸对照表 Case size table



导线直径(mm), ± 0.05 mm (部分卧式电容本体直径为 12 φ, 导线直径有可能是 0.6 mm)

Lead wire DIA at mm TOL ± 0.05 mm (Some axial DIA 12 φ Lead DIA maybe 0.6 mm)

直径 Case DIA	5 φ	6 φ	8 φ	10 φ	12 φ	13 φ	16 φ	18 φ	20 φ	22 φ	25 φ
卧式 Axial	-	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8
立式 Radial	0.5	0.5	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8

导线长度：卧式 - 至少 40mm., 立式 - 短脚至少 20 mm , 长脚至少 30 mm

Lead length: Axial min. 40mm., Radial min. 20 mm & 30 mm

立式电容之脚距 (mm) : ± 0.5 mm

Radial lead pitch at mm TOL ± 0.5 mm

直径 Case DIA	5 ϕ	6 ϕ	8 ϕ	10 ϕ	13 ϕ	16 ϕ	18 ϕ	20 ϕ	22 ϕ	25 ϕ
脚距 Lead pitch	2.0	2.5	3.5	5.0	5.0	7.5	7.5	8.0	10.0	12.5

DF 小于 3%之标准尺寸表 Case size for DF less than 3% (D x L) , (mm); 误差 TOL ± 1 mm

Capacitance	Axial 100WV	Radial 100WV
1.0	10 x 19	10 x 15
1.5	10 x 19	10 x 15
2.2	10 x 19	10 x 15
2.7	12 x 26	10 x 20
3.3	12 x 26	10 x 20
3.9	13 x 26	13 x 21
4.7	12 x 31	13 x 26
5.6	12 x 31	13 x 26
6.8	12 x 31	13 x 26
7.5	12 x 31	13 x 26
8.2	12 x 31	13 x 26
10	16 x 34	16 x 27
12	16 x 34	16 x 27
15	16 x 34	16 x 27
18	16 x 34	16 x 27
22	16 x 42	16 x 36
27	16 x 42	16 x 36
33	16 x 42	16 x 36
47	18 x 42	18 x 36
56	18 x 42	18 x 36
68	22 x 45	22 x 37
75	22 x 45	22 x 37
82	22 x 45	22 x 37
100	25 x 45	22 x 45
120	25 x 52	25 x 45
150	25 x 52	25 x 45

DF 小于 4%之标准尺寸表 Case size for DF less than 4% (D x L) , (mm); 误差 TOL ± 1mm

Capacitance	Axial		Radial	
	50WV	100WV	50WV	100WV
MFD \ WV				
1.0	10 x 19	10 x 19	8 x 13	10 x 15
1.5	10 x 19	10 x 19	8 x 13	10 x 15
2.2	10 x 19	10 x 19	8 x 13	10 x 15
2.7	10 x 19	10 x 19	10 x 13	10 x 15
3.3	10 x 19	12 x 26	10 x 13	10 x 15
3.9	12 x 26	12 x 26	10 x 20	10 x 20
4.7	12 x 26	12 x 26	10 x 20	10 x 20
5.6	12 x 26	12 x 26	10 x 20	10 x 20
6.8	12 x 26	12 x 26	10 x 20	13 x 21
7.5	12 x 26	12 x 31	10 x 20	13 x 21
8.2	12 x 26	12 x 31	13 x 21	13 x 21
10	12 x 26	12 x 31	13 x 21	13 x 26
12	12 x 26	12 x 31	13 x 21	13 x 26
15	12 x 31	12 x 31	13 x 21	13 x 26
18	12 x 31	12 x 31	13 x 21	13 x 26
22	12 x 31	12 x 31	13 x 26	13 x 26
27	12 x 31	13 x 31	13 x 26	13 x 26
33	12 x 31	16 x 34	13 x 26	16 x 27
47	16 x 34	16 x 34	16 x 27	16 x 27
56	16 x 34	16 x 42	16 x 27	16 x 36
68	16 x 34	16 x 42	16 x 27	16 x 36
75	16 x 34	16 x 42	16 x 27	16 x 36
82	16 x 34	18 x 42	16 x 27	18 x 36
100	16 x 42	18 x 42	16 x 36	18 x 36
120	16 x 42	22 x 45	16 x 36	22 x 37
150	18 x 42	25 x 45	18 x 36	22 x 37
180	20 x 44	N/A	22 x 37	N/A
220	22 x 45	N/A	22 x 37	N/A

DF 小于 5%之标准尺寸表 Case size for DF less than 5% (D x L) , (mm) ; 误差 TOL ± 1mm

Capacitance	Axial		Radial	
	50WV	100WV	50WV	100WV
MFD \ WV				
1.0	10 x 19	10 x 19	8 x 13	10 x 15
1.5	10 x 19	10 x 19	8 x 13	10 x 15
2.2	10 x 19	10 x 19	8 x 13	10 x 15
2.7	10 x 19	10 x 19	8 x 13	10 x 15
3.3	10 x 19	10 x 19	10 x 13	10 x 15
3.9	10 x 19	12 x 26	10 x 20	10 x 20
4.7	10 x 19	12 x 26	10 x 20	10 x 20
5.6	10 x 19	12 x 26	10 x 20	10 x 20
6.8	12 x 26	12 x 26	10 x 20	10 x 20
7.5	12 x 26	12 x 26	10 x 20	10 x 20
8.2	12 x 26	12 x 26	10 x 20	13 x 21
10	12 x 26	12 x 31	10 x 20	13 x 21
12	12 x 26	12 x 31	10 x 20	13 x 21
15	12 x 26	12 x 31	13 x 21	13 x 26
18	12 x 26	12 x 31	13 x 21	13 x 26
22	12 x 31	12 x 31	13 x 26	13 x 26
27	12 x 31	12 x 31	13 x 26	13 x 26
33	12 x 31	13 x 31	13 x 26	13 x 26
47	16 x 34	16 x 34	16 x 27	16 x 27
56	16 x 34	16 x 34	16 x 27	16 x 27
68	16 x 34	16 x 34	16 x 27	16 x 27
75	16 x 34	16 x 42	16 x 27	16 x 36
82	16 x 34	16 x 42	16 x 27	16 x 36
100	16 x 34	18 x 42	16 x 27	18 x 36
120	16 x 42	18 x 42	16 x 36	18 x 36
150	16 x 42	22 x 45	16 x 36	22 x 37
180	18 x 42	22 x 45	18 x 36	22 x 37
220	22 x 45	25 x 46	22 x 37	25 x 38
270	-	-	-	-
330	-	-	-	-

DF 小于 6%之标准尺寸表 Case size for DF less than 6% (D x L) , (mm) ; 误差 TOL ± 1mm

Capacitance MFD \ WV	Axial		Radial	
	50WV	100WV	50WV	100WV
1	6 x 16	8 x 17	6 x 11	8 x 13
1.5	6 x 16	8 x 17	6 x 11	8 x 13
2.2	6 x 16	8 x 17	6 x 11	8 x 13
2.7	6 x 16	8 x 17	6 x 11	8 x 13
3.3	6 x 16	8 x 17	6 x 11	8 x 13
3.9	6 x 16	8 x 17	6 x 11	8 x 13
4.7	8 x 17	8 x 17	8 x 13	8 x 13
5.6	8 x 17	10 x 19	8 x 15	8 x 13
6.8	8 x 17	10 x 19	8 x 15	8 x 13
7.5	8 x 17	10 x 19	8 x 15	10 x 13
8.2	8 x 17	10 x 19	8 x 15	10 x 13
10	10 x 19	10 x 19	8 x 15	10 x 15
12	10 x 19	10 x 19	8 x 15	10 x 15
15	10 x 19	10 x 19	8 x 15	10 x 20
18	10 x 19	12 x 26	10 x 15	10 x 20
22	10 x 19	12 x 26	10 x 15	10 x 20
27	10 x 19	12 x 26	10 x 15	10 x 20
33	10 x 19	12 x 26	10 x 15	13 x 21
47	12 x 26	12 x 31	10 x 20	13 x 26
56	12 x 26	12 x 31	10 x 20	13 x 26
68	12 x 26	13 x 31	10 x 20	13 x 26
75	12 x 31	13 x 31	13 x 21	13 x 26
82	12 x 31	13 x 31	13 x 21	13 x 26
100	12 x 26	16 x 34	10 x 20	16 x 27
120	12 x 26	16 x 34	13 x 21	16 x 27
150	12 x 26	16 x 42	13 x 21	16 x 36
180	12 x 31	16 x 42	13 x 26	16 x 36
220	13 x 31	18 x 42	13 x 26	18 x 36
270	16 x 34	18 x 42	16 x 27	18 x 36
330	16 x 34	22 x 45	16 x 27	22 x 37
390	16 x 34	22 x 45	16 x 27	22 x 37
470	16 x 42	25 x 52	16 x 36	25 x 45
560	18 x 42	25 x 52	16 x 36	25 x 45
680	20 x 44	25 x 56	18 x 36	25 x 49

DF 小于 10%之标准尺寸表 Case size for DF less than 10% (D x L) , (mm); 误差 TOL ± 1mm

Capacitance	Axial		Radial	
	50WV	100WV	50WV	100WV
MFD \ WV				
1.0	8 x 17	8 x 17	6 x 11	8 x 11
1.5	8 x 17	8 x 17	8 x 11	8 x 11
2.2	8 x 17	8 x 17	8 x 11	8 x 11
2.7	8 x 17	8 x 17	8 x 13	8 x 13
3.3	8 x 17	10 x 19	8 x 13	8 x 13
3.9	8 x 17	10 x 19	8 x 13	8 x 13
4.7	8 x 17	10 x 19	8 x 13	8 x 13
5.6	8 x 17	10 x 19	8 x 13	8 x 13
6.8	10 x 19	10 x 19	8 x 13	10 x 13
7.5	10 x 19	10 x 19	8 x 13	10 x 13
8.2	10 x 19	10 x 19	8 x 13	10 x 15
10	10 x 19	10 x 19	10 x 15	10 x 15
12	10 x 19	10 x 19	10 x 15	10 x 20
15	10 x 19	12 x 26	10 x 15	10 x 20
18	10 x 19	12 x 26	10 x 20	10 x 20
22	10 x 19	12 x 26	10 x 20	10 x 20
27	12 x 26	12 x 26	10 x 20	13 x 26
33	12 x 26	12 x 26	10 x 20	13 x 26
47	12 x 31	12 x 31	10 x 20	13 x 26
56	12 x 31	12 x 31	13 x 21	13 x 26
68	12 x 31	13 x 31	13 x 21	13 x 26
75	12 x 31	13 x 31	13 x 21	13 x 26
82	12 x 31	16 x 34	13 x 26	13 x 26
100	12 x 31	16 x 34	13 x 26	16 x 27
120	12 x 31	16 x 34	13 x 26	16 x 27
150	16 x 34	16 x 42	16 x 27	16 x 36
180	16 x 34	16 x 42	16 x 27	16 x 36
220	16 x 34	18 x 42	16 x 27	18 x 36
270	16 x 34	18 x 42	16 x 27	18 x 36
330	16 x 42	22 x 45	16 x 36	22 x 37
390	16 x 42	22 x 45	16 x 36	22 x 37
470	18 x 42	25 x 52	18 x 36	25 x 45
560	22 x 45	25 x 52	22 x 37	25 x 45
680	25 x 46	25 x 56	25 x 38	25 x 49

DF 小于 12%之标准尺寸表 Case size for DF less than 12% (D x L) , (mm); 误差 TOL ± 1mm

Capacitance	Axial		Radial	
	MFD \ WV	50WV	100WV	50WV
1.0	6 x 16	8 x 17	6 x 11	8 x 13
1.5	6 x 16	8 x 17	6 x 11	8 x 13
2.2	6 x 16	8 x 17	6 x 11	8 x 13
2.7	6 x 16	8 x 17	6 x 11	8 x 13
3.3	6 x 16	8 x 17	6 x 11	8 x 13
3.9	6 x 16	8 x 17	6 x 11	8 x 13
4.7	8 x 17	8 x 17	8 x 13	8 x 13
5.6	8 x 17	10 x 19	8 x 15	8 x 13
6.8	8 x 17	10 x 19	8 x 15	8 x 13
7.5	8 x 17	10 x 19	8 x 15	10 x 13
8.2	8 x 17	10 x 19	8 x 15	10 x 13
10	10 x 19	10 x 19	8 x 15	10 x 15
12	10 x 19	10 x 19	8 x 15	10 x 15
15	10 x 19	10 x 19	8 x 15	10 x 20
18	10 x 19	12 x 26	10 x 15	10 x 20
22	10 x 19	12 x 26	10 x 15	10 x 20
27	10 x 19	12 x 26	10 x 15	10 x 20
33	10 x 19	12 x 26	10 x 15	13 x 21
47	12 x 26	12 x 31	10 x 20	13 x 26
56	12 x 26	12 x 31	10 x 20	13 x 26
68	12 x 26	13 x 31	10 x 20	13 x 26
75	12 x 31	13 x 31	13 x 21	13 x 26
82	12 x 31	13 x 31	13 x 21	13 x 26
100	12 x 31	16 x 34	13 x 21	16 x 27
120	12 x 31	16 x 34	13 x 26	16 x 27
150	12 x 31	16 x 42	13 x 26	16 x 36
180	16 x 34	16 x 42	16 x 27	16 x 36
220	16 x 34	18 x 42	16 x 27	18 x 36
270	18 x 34	18 x 42	16 x 27	18 x 36
330	16 x 34	22 x 45	16 x 27	20 x 36
390	16 x 42	22 x 45	16 x 36	22 x 27
470	18 x 42	25 x 52	16 x 36	25 x 45
560	18 x 42	25 x 52	16 x 36	25 x 45
680	22 x 45	25 x 56	22 x 37	25 x 49

DF 小于 15% 之标准尺寸表 Case size for DF less than 15% (D x L) , (mm); 误差 TOL ± 1mm

Capacitance	Axial		Radial	
	50WV	100WV	50WV	100WV
0.47	6 x 16	6 x 16	5 x 11	6 x 11
1.0	6 x 16	6 x 16	5 x 11	6 x 11
1.5	6 x 16	6 x 16	5 x 11	6 x 11
2.2	6 x 16	8 x 17	5 x 11	6 x 11
2.7	6 x 16	8 x 17	5 x 11	6 x 11
3.3	6 x 16	8 x 17	5 x 11	8 x 11
4.7	6 x 16	8 x 17	6 x 11	8 x 11
5.6	6 x 16	8 x 17	6 x 11	8 x 11
6.8	8 x 17	10 x 19	6 x 11	8 x 15
8.2	8 x 17	10 x 19	8 x 15	10 x 16
10	8 x 17	10 x 19	8 x 15	10 x 16
15	8 x 17	10 x 26	8 x 15	10 x 20
22	10 x 19	10 x 26	8 x 15	10 x 20
33	10 x 19	12 x 26	10 x 16	13 x 21
47	10 x 26	12 x 26	10 x 16	13 x 21
68	12 x 26	13 x 31	10 x 20	13 x 26
75	12 x 26	13 x 31	10 x 20	13 x 26
82	12 x 26	16 x 34	10 x 20	13 x 26
100	12 x 26	16 x 34	10 x 20	16 x 27
120	12 x 26	16 x 34	10 x 20	16 x 27
150	12 x 26	16 x 42	13 x 21	16 x 36
220	12 x 31	18 x 42	13 x 26	18 x 36
270	13 x 31	18 x 42	13 x 26	18 x 36
330	16 x 34	22 x 45	16 x 27	22 x 37
390	16 x 34	22 x 45	16 x 27	22 x 37
470	16 x 42	25 x 52	16 x 36	25 x 45
560	18 x 42	25 x 52	16 x 36	25 x 45
680	18 x 42	25 x 56	18 x 36	25 x 49
750	22 x 45	25 x 56	22 x 37	25 x 49
820	22 x 45	25 x 56	22 x 37	25 x 49

- 如需特殊尺寸 / 容量 - 请咨询本公司 Any special value are acceptable, It' s size to be provided upon requested
- 尺寸如有更改, 不另行通知 SIZE MAYBE CHANGED W/O NOTICE., SPECIAL SIZE IS ACCEPTABLE
- 产品对照表的容量 / 尺寸均为标准值, 如有其它特殊规格请咨询本公司 Case size table are our standard series / size / value . Any special requested upon discussion.