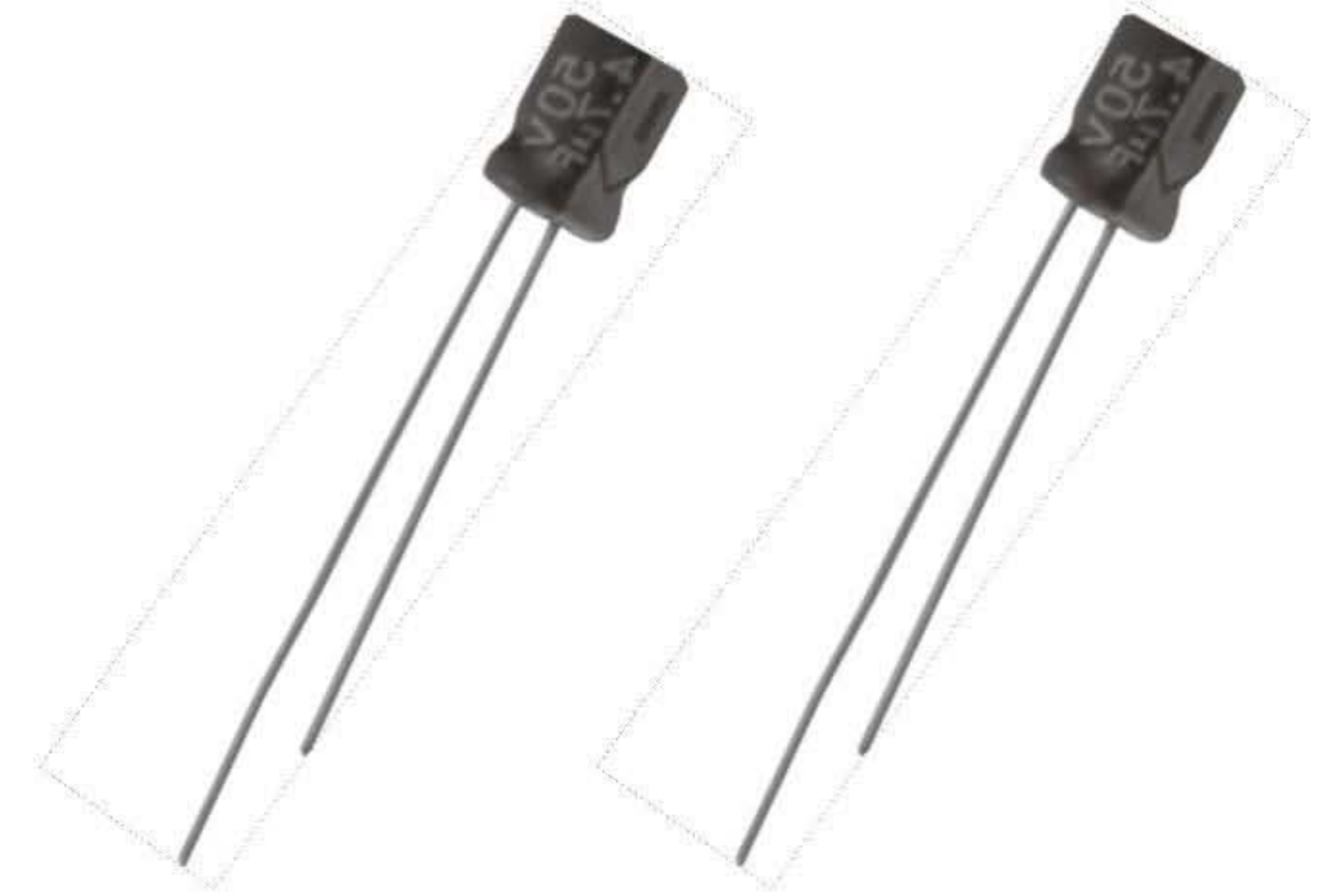


## UIR Series 5 mm, Low Impedance 超小型低阻抗品

### Features

- Low impedance with 5m/m for crossover networks of height-pitched, mean and low pitched sounds in high-fidelity sound systems.
- The series offers excellent frequency characteristics and minimal capacitance deviation with frequency.



### Specifications

No	Item	Performance Characteristics																					
1	使用温度範囲 Operating Temperature Range	-40 to + 105°C																					
2	定格電圧範囲 Rated Voltage Range	6.3 to 50 VDC																					
3	静電容量範囲 Capacitance Range	1 to 100uF																					
4	静電容量容許差 Capacitance Tolerance	±20%(120Hz,+20°C)																					
5	漏電電流 Leakage Current(+20°C,max)	$I \leq 0.01 CV$ or $3(\mu A)$ After 2 minutes, whichever is greater measured with rated working voltage applied.																					
6	損失角 Dissipation Factor(tanδ)	<table border="1"> <tr> <td>Working Voltage (VDC)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>D.F. (%)Max</td> <td>24</td> <td>20</td> <td>17</td> <td>17</td> <td>15</td> <td>15</td> </tr> </table> (+20°C, at 120Hz)	Working Voltage (VDC)	6.3	10	16	25	35	50	D.F. (%)Max	24	20	17	17	15	15							
Working Voltage (VDC)	6.3	10	16	25	35	50																	
D.F. (%)Max	24	20	17	17	15	15																	
7	温度特性 Low Temperature Characteristics (120Hz)	Impedance ratio max. <table border="1"> <tr> <td>Working Voltage (VDC)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>Z-25°C/Z+20°C</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z-40°C/Z+20°C</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> </tr> </table>	Working Voltage (VDC)	6.3	10	16	25	35	50	Z-25°C/Z+20°C	4	3	2	2	2	2	Z-40°C/Z+20°C	8	6	4	4	3	3
Working Voltage (VDC)	6.3	10	16	25	35	50																	
Z-25°C/Z+20°C	4	3	2	2	2	2																	
Z-40°C/Z+20°C	8	6	4	4	3	3																	
8	高温負荷特性 High temperature loading	Test conditions Duration time :1000Hrs Ambient temperature :+105°C Applied voltage :Rated DC working voltage to each polarity for 1000 Hrs After test requirements at+20°C Capacitance change :≤ ±20% of the initial measured value (4V : ≤ ±30%) Dissipation factor :≤200% of the initial specified value Leakage current :≤The initial specified value																					
9	高温無負荷特性 Shelf Life	Test conditions Duration time :500Hrs Ambient temperature :+105°C Applied voltage :None After test requirements at +20°C : Same limits as Load life. Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.																					

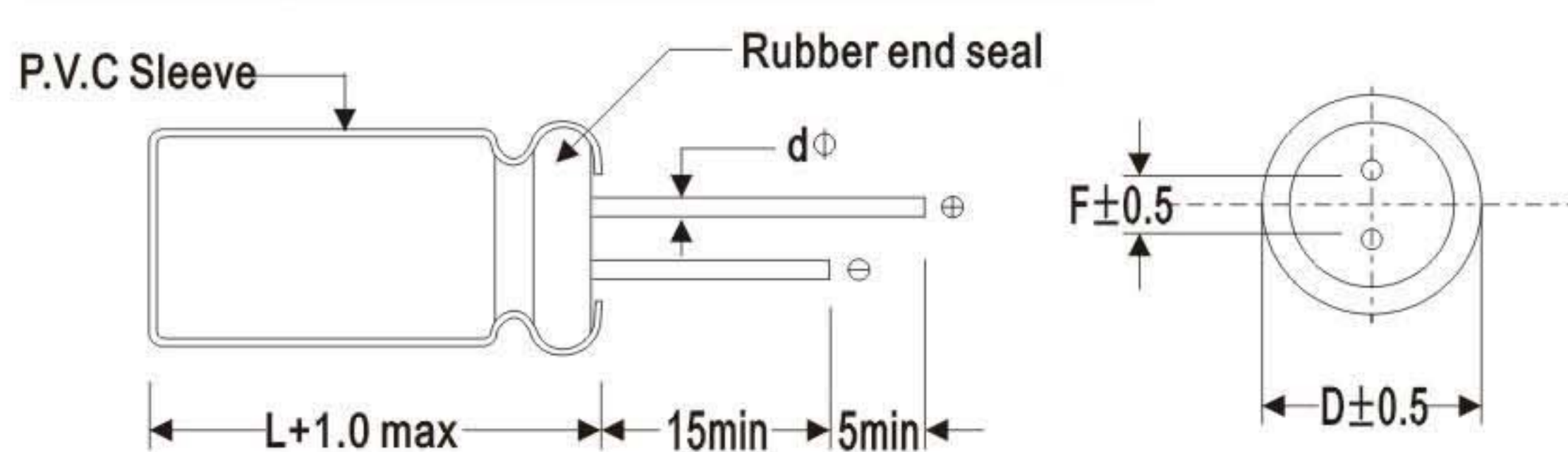
### Multiplier for Ripple Current vs. Frequency

CAP(μF)\Hz	50(60)	120	1K	≥10K
Multiplier	0.35	0.5	0.85	1.1

### Multiplier for Ripple Current vs. Temperature

Temperature°C	50≥	60	70	105
Multiplier	1.8	1.7	1.6	1.00

### Outline drawing :(Unit:mm)



Dφ	4	5	6.3	8
F	1.5±0.5	2.0±0.5	2.5±0.5	3.5±0.5
dφ	0.45			0.5

### Case Size & maximam Riprle Current(mA.rms.120Hz at 85°C)

Size	V	CAPMF					ØDXL(mm)			
		6.3 (8)	10 (13)	16 (20)	25 (32)	35 (44)				
1							4×5(8.0)	5.5		
2.2							4×5(8.0)	5.0		
3.3							4×5(14)	5.0		
4.7							4×5(16)	2.6		
10				4×5(20)	5.0	5×5(25)	5.0	5×5(28)	2.6	
22	4×5(30)	5.0	5×5(35)	2.5	5×5(40)	2.5	6.3×5(45)	2.5	6.3×5(53)	1.3
33	5×5(40)	2.5	5×5(55)	1.3	6.3×5(60)	1.3	6.3×5(65)	1.3	8×5(80)	1.3
47	6.3×5(55)	1.3	6.3×5(70)	1.3	6.3×5(80)	1.3	8×5(85)	1.3		
100	6.3×5(70)	1.3	8×5(90)	1.3	8×5(105)	1.3			D×L(I)	Impedance(Ω)