

## STR series Screw terminal type 螺絲端子高紋波品

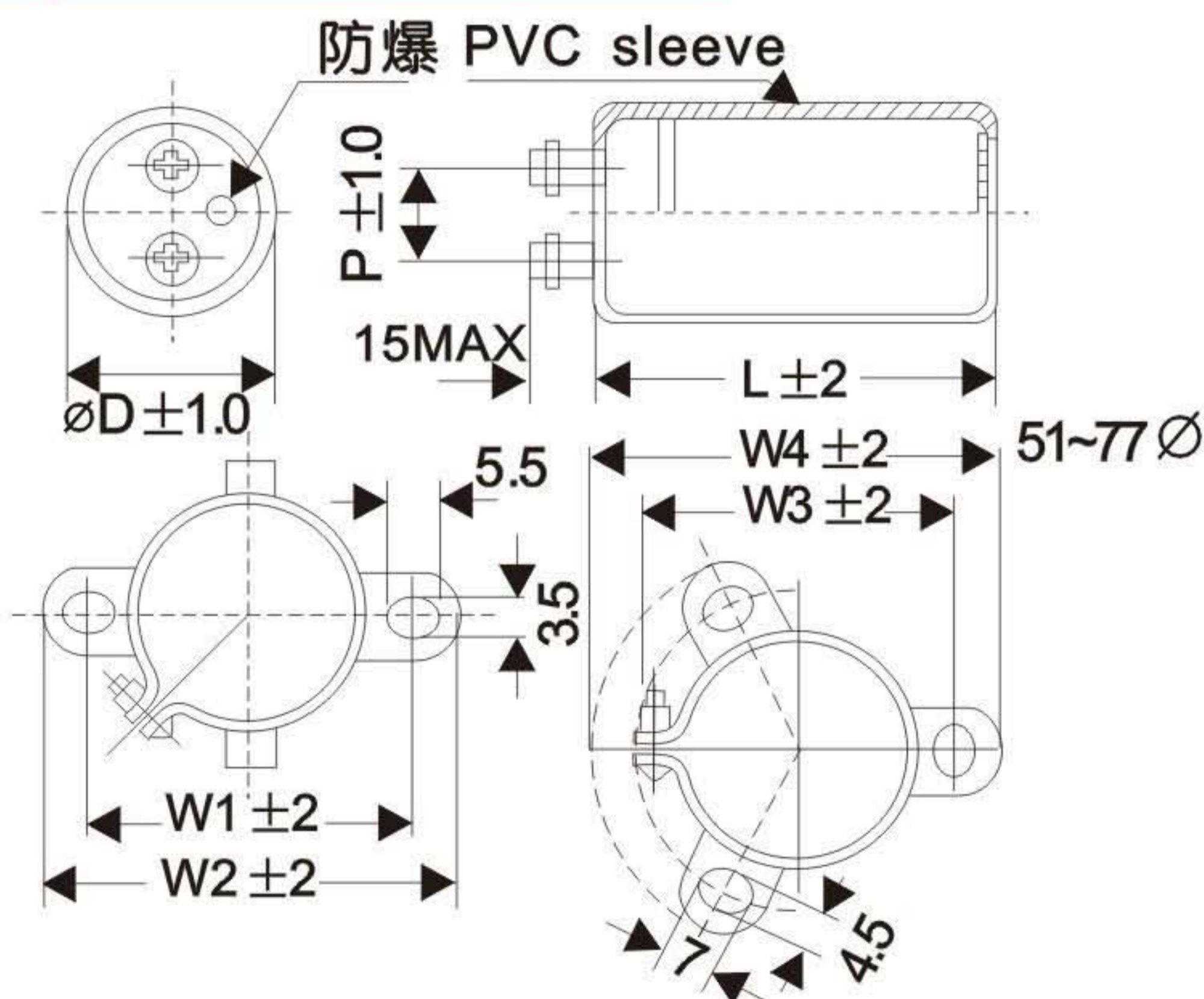
- 本系列為一種特別的設計，適用於高波紋電流之高信賴度電容器。
- 適合產業機器之濾波電流、自動控制儀器、高級汽車音響。
- They are specially designed to withstand high ripple currents and to attain high reliability.
- Suitable for filter of industrial equipment, large control devices, high-grade car stereos.

### Specifications

No	Item	Performance Characteristics																					
1	使用溫度範圍 Operating Temperature Range	-40 to +85°C	-25 to +85°C																				
2	定格電壓範圍 Rated working Voltage Range	10 - 100 v.DC	160 - 450 v.DC																				
3	靜電容量範圍 Nominal Capacitance Range	220 to 820,000 $\mu$ F (*500,000 $\mu$ F, 1,000,000 $\mu$ F, 1,500,000 $\mu$ F/20V for car stereos are available on request.)																					
4	靜電容量容許差 Capacitance Tolerance	$\pm 20\%$ ( M ) (at+ 20°C, 120Hz)																					
5	漏電電流 Leakage current	I $\leq 0.02CV$ or 5,000( $\mu$ A) Whichever is greater after 5 minutes. I:Leakage Current( $\mu$ A) C:Rated Capacitance( $\mu$ F) V:Working Voltage(V)																					
6	損失角 Dissipation Factor( $\tan \delta$ ) (120Hz\+20°C)	<table border="1"> <thead> <tr> <th>Working Voltage(V)</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> <th>160-250</th> <th>350-450</th> </tr> </thead> <tbody> <tr> <td><math>\tan \sigma</math> max</td> <td>0.80</td> <td>0.70</td> <td>0.45</td> <td>0.40</td> <td>0.30</td> <td>0.25</td> <td>0.15</td> <td>0.20</td> <td>0.25</td> </tr> </tbody> </table>		Working Voltage(V)	10	16	25	35	50	63	100	160-250	350-450	$\tan \sigma$ max	0.80	0.70	0.45	0.40	0.30	0.25	0.15	0.20	0.25
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7	高溫負荷特性 High Temperature Loading	After 2000 hrs. application of DC rated working voltage at +85°C The capacitor shall meet the following limits; Post test requirements at +20°C <table border="1"> <tbody> <tr> <td>Leakage current</td> <td><math>\leq</math> the initial specified value</td> </tr> <tr> <td>Capacitance change</td> <td><math>\leq \pm 15\%</math> of initial measured value</td> </tr> <tr> <td>Dissipation Factor (<math>\tan \sigma</math>)</td> <td><math>\leq 175\%</math> of initial specified value</td> </tr> </tbody> </table>		Leakage current	$\leq$ the initial specified value	Capacitance change	$\leq \pm 15\%$ of initial measured value	Dissipation Factor ( $\tan \sigma$ )	$\leq 175\%$ of initial specified value														
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### Diagram of Dimensions Unit (mm)



DΦ	P	W1	W2	W3	W4
35	12.7	48	60		
51	21.8			66	77
65	28.6			76	86
77					

### Case Size Table

W.V.(SV) $\mu$ F	$\phi$ DXL(mm)				
	10 (13)	16 (20)	25 (32)	35 (44)	50 (63)
10,000					35x50
15,000					35x50
22,000				35x50	35x60
33,000		35x50	35x60	35x80	35x90
47,000	35x50	35x60	35x80/51x60	35x90/51x60	35x100/51x70
56,000	35x60	35x70	35x90/51x60	51x70	35x110/51x80
68,000	35x70	35x80	51x70	51x80	51x90/65x70
100,000	35x80	35x100/51x60	51x90	51x100/65x70	51x110/65x80
150,000	35x110/51x70	51x80	51x110/65x80	65x100/77x80	65x110/77x90
220,000	51x90	51x110/65x80	65x100/77x80	65x120/77x90	77x100/89x80
330,000	51x110/65x80	65x100/77x80	65x140/77x110	77x140/89x90	89x100
470,000	65x100/77x80	65x140/77x110	77x140/89x100	89x110	89x130
680,000	65x130/77x100	77x140/89x100	89x120	89x140	89x160
820,000	77x110/89x90	89x130	89x160		