



## Screw Terminal Type

Series

**CWX**

### FEATURES

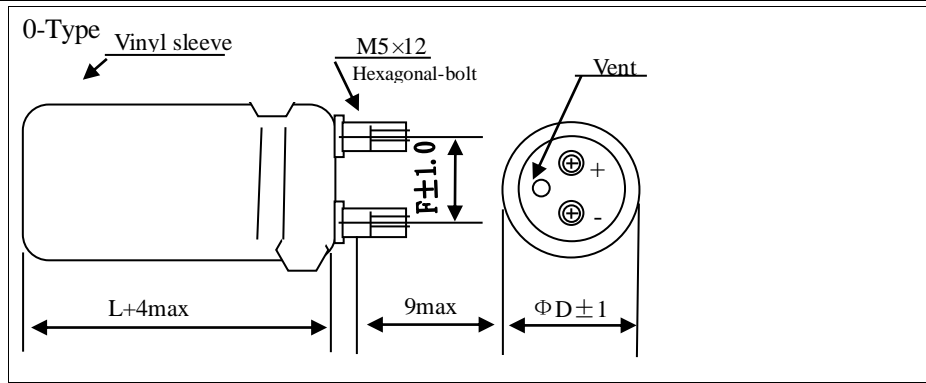
1. High voltage and capacitance, high ripple high reliability guarantee 2000hrs load life at 85 °C.
2. Suit for use in changeable current circuits in changeable fluencies air-condition etc.

### SPECIFICATIONS

Item	Performance Characteristics												
Operating Temperature Range	-40 to +85°C												
Rated Working voltage Range	350 to 450V												
Nominal Capacitance Range	1000~22000(uF)												
Capacitance Tolerance	-20%~+20% (120Hz, +20°C)												
Leakage Current	$I \leq 3 \sqrt{CV}$ or 5(mA) after 5 minutes application of rated working voltage at +20°C, Which is smaller												
Dissipation Factor $\tan \delta$ (120Hz+20°C)	$\leq 0.20$												
Low Temperature characteristics	Impedance ratio max. at 120Hz <table border="1" style="margin-left: 20px; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Working voltage(V)</td> <td style="padding: 2px;">350~450</td> </tr> <tr> <td style="padding: 2px;">Z-25°C/Z+20°C</td> <td style="padding: 2px;">8</td> </tr> </table>	Working voltage(V)	350~450	Z-25°C/Z+20°C	8								
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Frequency coefficient	<table border="1" style="margin-left: 20px; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Frequency (Hz)</td> <td style="padding: 2px;">60</td> <td style="padding: 2px;">120</td> <td style="padding: 2px;">360</td> <td style="padding: 2px;">1k</td> <td style="padding: 2px;">10k~</td> </tr> <tr> <td style="padding: 2px;">Coefficient</td> <td style="padding: 2px;">0.82</td> <td style="padding: 2px;">1.00</td> <td style="padding: 2px;">1.20</td> <td style="padding: 2px;">1.35</td> <td style="padding: 2px;">1.40</td> </tr> </table>	Frequency (Hz)	60	120	360	1k	10k~	Coefficient	0.82	1.00	1.20	1.35	1.40
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High temperature Loading	Test conditions The following specification shall be satisfied when the capacitors are restored to 20°C after the rated voltage applied for 2000 hours at 85°C Post test requirements at +20°C Leakage current : $\leq$ Initial specified value Capacitance change : $\leq \pm 20\%$ of initial measured value $\tan \delta$ : $\leq 300\%$ of initial specified value												
Shelf life	At 85°C no voltage applied after 1000hours the capacitors shall meet the following limits Post test requirements at +20°C Leakage current : $\leq$ of Initial specified value Capacitance change : $\leq \pm 20\%$ of initial measured value $\tan \delta$ : $\leq 300\%$ of initial specified value												
Others	JIS C-5141 JIS C-5102												

Dφ	P	I	a	Nominal da. of bolt
51	22.0	6	3	M5
63.5	28.6	6	3	M5
76.2	31.8	6	3	M5
90	31.8	6	3	M5
100	41.5	10	4	M8

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### SPECIFICATIONS

Cap.(uF)	Voltage S.V Code	350V(2V)		400V(2G)		450V(2W)	
		400	Standard ripple	450	Standard ripple	500	Standard ripple
1000	108	51×60	3.5	51×70	3.8	51×80	4.0
1200	128	51×70	4.2	51×80	4.5	51×100	4.7
1500	158	51×80	4.9	51×100	5.3	51×110	5.4
1800	188	51×90	5.6	51×110	6.0	51×130	6.4
						63.5×90	6.1
2200	228	51×110	6.7	51×130	7.0	63.5×110	7.2
				63.5×90	6.8	76.2×90	7.1
2700	278	51×130	8.0	63.5×110	8.2	63.5×130	8.6
		63.5×90	7.7	76.2×90	8.1	76.2×100	8.3
3300	338	51×150	9.2	63.5×130	9.6	63.5×170	10.0
		63.5×100	9.0	76.2×100	9.3	76.2×110	9.7
3900	398	63.5×110	10.4	63.5×150	11.0	63.5×170	11.4
		76.2×90	10.3	76.2×100	10.5	76.2×130	11.2
4700	478	63.5×130	12.0	63.5×170	12.6	63.5×190	13.0
		76.2×100	11.9	76.2×130	12.3	76.2×150	12.9
5600	568	63.5×150	14.0	63.5×190	14.7	76.2×170	15.4
		76.2×100	13.5	76.2×150	14.3	90×150	15.3
6800	688	63.5×170	16.3	76.2×170	16.7	76.2×190	17.3
		76.2×130	16.0	90×130	16.3	90×150	17.1
8200	828	76.2×150	18.7	76.2×190	19.3	76.2×220	20.3
		90×130	18.2	90×150	19.0	90×170	19.8
10000	109	76.2×170	21.8	76.2×220	22.7	90×190	23.0
		76.2×150	21.3	90×170	22.2		
12000	129	76.2×190	25.1	90×190	25.5	90×220	26.9
		90×150	24.8				
15000	159	90×150	29.0	100×190	29.6	100×220	31.1
18000	189	90×150	32.4	100×220	33.0		
22000	229	90×190	38.0			Case Size	Allowable ripple

Allowable Ripple (A rms)at 85°C 120Hz