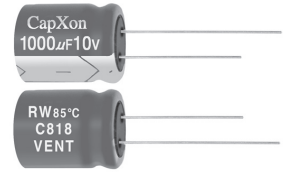


# CapXon RW Series

## RW Series 85°C

### Features

- ◆ Standard for audio equipment.
- ◆ For detail specifications, please refer to Engineering Bulletin NO.E150
- ◆ RoHS Compliant



### Specifications

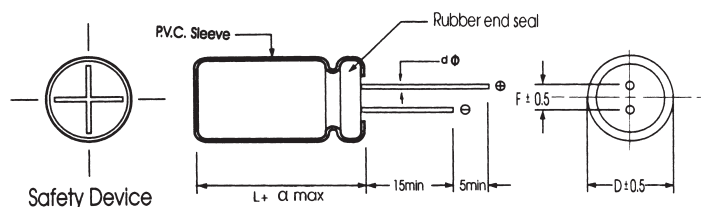
Item	Performance Characteristics																											
Operating Temperature Range	-40~+85°C																											
Rated Voltage Range	6.3~100 VDC																											
Capacitance Range	0.1 to 33000 µF																											
Capacitance Tolerance	±20%(120Hz,+20°C)																											
Leakage Current (+20°C,max.)	$I \leq 0.01 CV$ or $3 (\mu A)$ (After 1 minute with rated working voltage applied.)																											
Dissipation Factor ( $\tan \delta$ , at 20°C, 120Hz)	<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> <td>63</td> <td>100</td> </tr> <tr> <td>D.F.(%)max.</td> <td>28</td> <td>24</td> <td>20</td> <td>16</td> <td>14</td> <td>12</td> <td>10</td> <td>8</td> </tr> </table>	Working Voltage(VDC)	6.3	10	16	25	35	50	63	100	D.F.(%)max.	28	24	20	16	14	12	10	8									
	Working Voltage(VDC)	6.3	10	16	25	35	50	63	100																			
D.F.(%)max.	28	24	20	16	14	12	10	8																				
For capacitance > 1000 µF, add 2% per another 1000 µF.																												
Low Temperature Characteristics (at 120Hz)	Impedance ratio max																											
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	Working voltage(VDC)	6.3	10	16	25	35	50	63	100																			
Z-25°C / Z+20°C	5	4	3	2	2	2	2	2																				
Z-40°C / Z+20°C	12	10	8	5	4	3	3	3																				
Load Life	Test condition Duration time :2000 Hrs Ambient temperature :+85°C Applied voltage :Rated DC working voltage After test requirement at +20°C Capacitance change : $\leq \pm 20\%$ of the initial measured value Dissipation factor : $\leq 200\%$ of the initial specified value Leakage current : $\leq$ The initial specified value																											
Shelf Life	Test condition Duration time :1000 Hrs Ambient temperature :+85°C Applied voltage :None After test requirement at +20°C :Same limits as Load life. Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.																											

For Audio Equipment

### Multiplier for Ripple Current vs. Frequency

CAP(µF) \ (Hz)	50(60)	120	300	1K	10K
CAP ≤ 47	0.75	1.00	1.35	1.57	1.20
100 ≤ CAP ≤ 470	0.80	1.00	1.23	1.34	1.50
1000 ≤ 33000	0.85	1.00	1.10	1.13	1.15

### Diagram of Dimension:(unit:mm)



Dψ	5	6.3	8	10	13	16	18	22
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5	10
dψ		0.5		0.6		0.8		

# CapXon RW Series

## Case Size

φDxL(mm)

Cap(μF) \ WV(SV)	6.3 (8)		10 (13)		16 (20)		25 (32)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
47							5×11	117
100			5×11	162	5×11	155	6.3×11	187
220			6.3×11	247	6.3×11	265	8×11.5	325
330	6.3×11	282	6.3×11	300	8×11.5	365	10×12.5	415
470	6.3×11	330	6.3×11	355	8×11.5	445	10×12.5	535
1000	8×11.5	560	10×12.5	600	10×16	780	10×20	950
2200	10×20	1015	10×20	1075	13×20	1300	13×25	1550
3300	10×20	1245	13×20	1410	13×25	1700	16×25	1675
4700	13×20	1435	13×25	1800	16×25	2100	16×31.5	2380
6800	13×25	1600	16×25	2200	16×35.5	2520	18×35.5	2650
10000	16×25	2000	16×35.5	2450	18×35.5	2670	22×41	3000
15000	16×35.5	2620	18×35.5	2900	22×41	3400	22×51	3800
22000	18×41	3220	22×41	3700	22×51	4200		
33000	22×51	3900	22×51	4300				

Cap(μF) \ WV(SV)	35 (44)		50 (63)		63 (79)		100 (125)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1			5×11	2.1	5×11	1.5	5×11	2.1
0.22			5×11	2.7	5×11	3	5×11	4.7
0.33			5×11	4.2	5×11	5	5×11	7.5
0.47			5×11	6.0	5×11	7	5×11	11
1			5×11	12	5×11	15	5×11	21
2.2			5×11	24	5×11	28	5×11	31
3.3			5×11	35	5×11	35	5×11	40
4.7			5×11	41	5×11	45	5×11	46
10			5×11	65	5×11	70	6.3×11	75
22			5×11	97	5×11	107	6.3×11	125
33	5×11	107	5×11	120	6.3×11	137	8×11.5	165
47	5×11	125	6.3×11	150	6.3×11	172	10×12.5	220
100	6.3×11	205	8×11.5	255	10×12.5	300	10×20	370
220	10×12.5	370	10×12.5	417	10×16	485	13×25	615
330	10×12.5	475	10×16	580	10×20	670	13×25	755
470	10×16	630	13×20	770	13×20	880	16×25	1000
1000	13×20	1120	13×25	1320	16×25	1350	18×41	1500
2200	16×25	1650	16×35.5	2090	18×35.5	2220	22×51	2400
3300	16×35.5	2270	18×35.5	2430	22×41	2700		
4700	18×35.5	2540	22×41	2900	22×51	3400		
6800	22×41	3000	22×51	3500				

Ripple Current ( mA, rms ) at 85°C 120Hz