

## STRUCTUR

This product uses a cylindrical capacitor shape. The inside is a winding structure, the positive and negative electrode sheets are separated by a diaphragm, and are immersed in electrolyte components; the aluminum shell is sealed with a rubber plug, and the lead-out method is lead-out, and the lead-out pole is on the same side of the product.

## APPLICATIONS

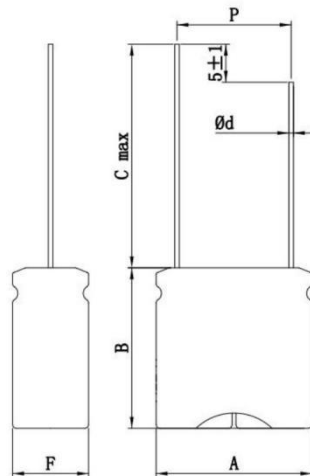
- Backup power: RAM, detonator, car recorder, smart meter, vacuum switch, digital camera, motor drive
- Energy storage: intelligent three meters, UPS, security equipment, communication equipment, flashlights, water meters, gas meters, taillights, small appliances.
- High current operation: electrified railway, smart grid control, hybrid vehicle, wireless transmission.
- High-power support: wind power, locomotive start, ignition, electric cars, etc.



## SPECIFICATIONS

Rated voltage $V_R$	5.5V	7.5V
Surge voltage	5.8V	7.9V
Capacity range	0.1F~8.0F	0.33F~8.0F
Operating temperature range	-40~ +70°C	-40~ +70°C
Product life	Normal temperature cycle life: 25 ° C, $V_R$ to 1/2 $V_R$ cycle 1 million times, capacity attenuation $\leq$ 30%, internal resistance change $\leq$ 4 times	
	High-temperature endurance life: 70 ° C, keep $V_R$ , 1000 hours. Capacity attenuation $\leq$ 30%, internal resistance change $\leq$ 3 times	

## DIMENSIONS (mm)



Capacity F	ESR mΩ		Product size (mm)			
	DC	AC 1kHz	Width: F ±1	Length: A ±1	Height: B ±1	Pin distance ±0.5
<b>Rated voltage: 5.5V</b>						
0.047	1400	700	4.5	8.5	11.5	6
0.047	2400	1200	5.5	10.5	14	6.8
0.1	2400	1200	5.5	10.5	12	6.8
0.1	800	400	5.5	10.5	14	6.8
0.22	1200	600	7	13.5	12	9
0.22	1200	600	7	13.5	15	9
0.33	1200	600	8.5	16.5	15	12
0.47	1200	600	8.5	16.5	15	12
0.47	2200	1100	7	13.5	12	9
0.47	2200	1100	7	13.5	15	9
0.5	1200	600	8.5	16.5	15	12
0.5	2400	1200	7	13.5	12	9
1	480	240	10.5	20.5	22	15.3
1	1000	500	7	13.5	24	9
1	520	260	8.5	16.5	22	12
1	800	400	8.5	16.5	18	12
1.5	480	240	8.5	16.5	22	12
1.5	280	140	10.5	20.5	22	15.3
1.5	1000	500	7	13.5	24	9
2	240	120	13	25.5	23	17.8
2	400	200	8.5	16.5	22	12
2	280	140	10.5	20.5	22	15.3
2.5	360	180	8.5	16.5	22	12
2.5	360	180	10.5	20.5	22	15.3
2.5	360	180	8.5	16.5	26	12
3	240	120	10.5	20.5	27	15.3
3	600	300	8.5	16.5	26	12
3	300	150	10.5	20.5	22	15.3
3.5	320	160	10.5	20.5	22	15.3
4	320	160	8.5	16.5	32	12
4	200	100	13	25.5	23	17.8
5	220	110	13	25.5	23	17.8
5	160	80	13	25.5	27	17.8
5	200	100	10.5	20.5	27	15.3
5	160	80	13	25.5	36	17.8
6	160	80	13	25.5	23	17.8
6	160	80	13	25.5	36	17.8
7.5	120	60	16.5	32.5	28	24
8	120	60	16.5	32.5	28	24
8	140	70	13	25.5	27	17.8
8	160	80	16.5	32.5	22	24



**PN Structure**

<b>WUB</b>	<b>5R5</b>	<b>474</b>	<b>H</b>	<b>01650150</b>	<b>120</b>	<b>000</b>	<b>R</b>	<b>B</b>
Series	Rated Voltage 1.	Capacitance 2.	Capacitance Tolerance 3.	Dimension 4.	Pitch/Pins 5.	Lead Length 6.	Terminal Options 7.	Packing 8.

**1. Rated Voltage**

Code	<b>3R8</b>
Voltage	3.8V

**2. Capacitance**

Code	<b>006</b>	<b>008</b>	<b>080</b>	<b>101</b>	<b>102</b>
Capacitance (F)	6.5	8	80	100	1000

**3. Capacitance Tolerance**

Code	<b>M</b>	<b>V</b>	<b>F</b>	<b>X</b>	<b>T</b>	<b>H</b>
Tolerance	±20%	-10%~+20%	%~+30%	-10%~+30%	-20%~+100%	%~+50%

**4. Dimension**

Code	<b>00500120</b>	<b>00630125</b>	<b>01000200</b>	<b>01250210</b>	<b>01600260</b>	<b>05101080</b>
Dimension (mm)	5x12	6.3x12.5	10x20	12.5x21	16x26	51x108

**5. Pitch/Pins/Screw**

Code	<b>016</b>	<b>020</b>	<b>025</b>	<b>035</b>	<b>050</b>	<b>075</b>	<b>100</b>	<b>127</b>	<b>218</b>	<b>282</b>	<b>4PS</b>	<b>000</b>
Pitch (mm)	1.6	2.0	2.5	3.5	5.0	7.5	10.0	12.7	21.8	28.2	4pins	Screw

**6. Lead Length**

Code	<b>000</b>	<b>040</b>	<b>045</b>	<b>050</b>
Lead Length (mm)	Standard	4.0	4.5	5.0

**7. Terminal Options**

Code	<b>R</b>	<b>S</b>	<b>W</b>
Terminal Options	Radial	Snap-in	Screw

**8. Packing**

Code	<b>A</b>	<b>B</b>
Packing	Ammo	Bulk

