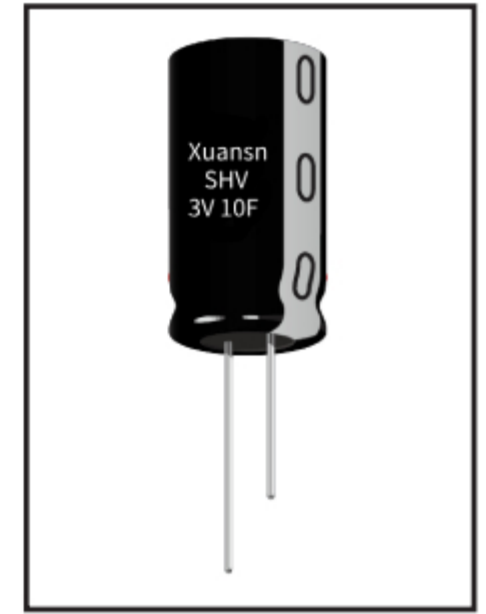


## Features

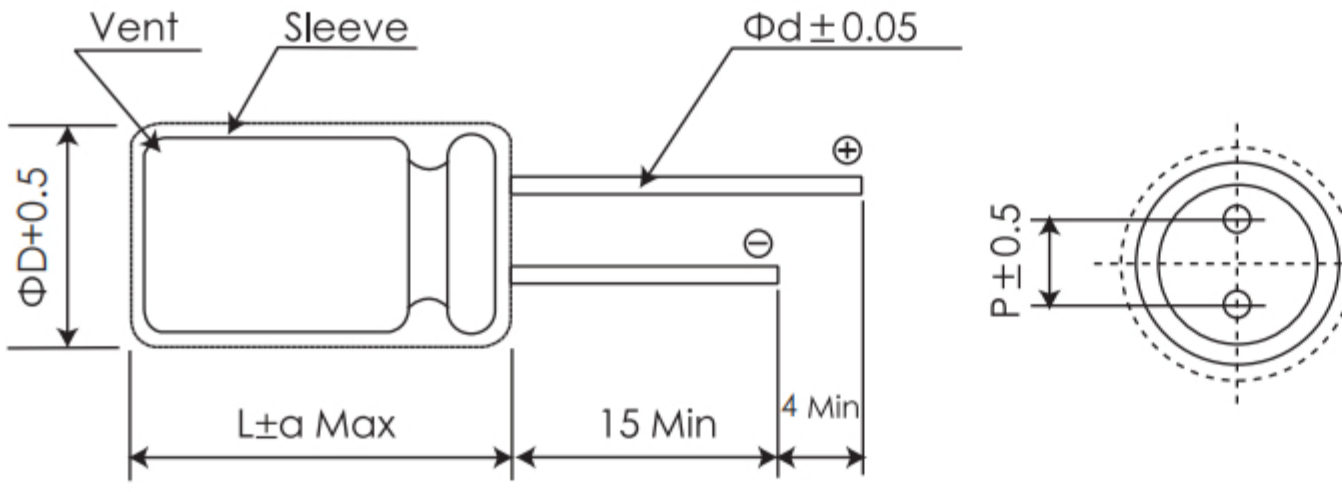
- High voltage
- Wider temperature range
- RoHS compliant
- Consumer electronic
- Pulse power
- Hold-up power



Items	Characteristics		
Rated Voltage	3V		
Operating Temperature Range	-40 ~+65°C (-40 ~+85°C@2.5V)		
Surge Voltage	3.2V		
Capacitance Range	1~50F		
Capacitance Tolerance (25°C)	-10~+30%		
Temperature Characteristics	The specifications shall be met at category temperature range form -40°C to 65°C	Capacitance Change	Within 30% of the initial value at 25°C
		ESR	Less than 2 times of the initial specified value
High Temperature Loaded	The specifications shall be met after rated voltage applied at 65°C for 1000 hours	Capacitance Change	Within 30% of the initial value
		ESR	Less than 4 times of the initial specified value
High Temperature Storage	The specifications shall be met after storage at 65°C for 1000 hours	Capacitance Change	Within 30% of the initial value
		ESR	Less than 2 times of the initial specified value
Cycle Life	The specifications shall be met after 500,000 cycles at 25°C, cycle of charge/discharge from $V_R$ to $1/2V_R$	Capacitance Change	Within 30% of the initial value
		ESR	Less than 2 times of the initial specified value

## Dimensions

mm



ΦD	8	10	16	18
p	3.5	5.0	7.5	
Φd	0.6	0.6	0.8	
a	1.5	2.0		

## Standard Ratings for SHV Series

$U_R$ (Surge Voltage) Code	Rated Capacitance 25°C	Impedance		Leakage Current (72hrs)	Size ΦD×L	Weight	P/N
		ESR <sub>DC</sub>	ESR <sub>AC</sub> 1KHz				
(V)	(F)	(mΩ)	(mΩ)	(mA)	(mm)	(g)	-
3 (3.2) 3R0	1	400	260	0.010	8 x 14	0.8	
	2	250	130	0.012	8 x 14	1	
	3	150	80	0.014	8 x 20	1.4	
	5	130	70	0.018	10 x 20	2.1	
	7	80	55	0.025	10 x 25	2.3	
	10	60	40	0.040	10 x 30	3.2	
	25	35	25	0.080	16 x 25	7	
50	22	15	0.150	18 x 40	12.8		