

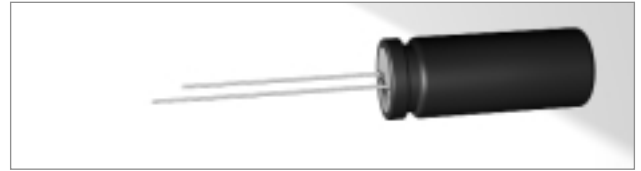
## NEW JKS SERIES Super Low Impedance, High Ripple Current

### Features

- Super Low Impedance
- Life Time: 2000~5000 Hours at 105 °C

### Main Application

- For personal computer motherboards.
- For CPU drive power supply circuits.



### Specifications

Item	Characteristics			
Rated voltage (v)	6.3	10	16	
Temperature Range(c)	-40 °C +105 °C			
Capacitance Tolerance %	±20 (25 °C, 120 Hz)			
(tan δ)	0.15	0.14	0.12	
Leakage Current (LC) (Ma/after 2 min) (MAX)	I = 0.01 CV+3 (Ua) max, whichever is greater			
Low Temperature Impedance Ratio (MAX 120 Hz)	-25 °C/25 °C	3	3	2
	-40 °C/20 °C	6	6	4
Load Life	Application of WV at 105 °C the capacitor shall meet the following limits. Capacitance change: ≤ ±25 % of initial value Dissipation Factor: ≤ 200 % of initial specified value Leakage current: ≤ initial specified value Life Time:    ∅D8 ≥ 2000 hours ∅D10 ≥ 3000 hours ∅D13 ≥ 5000hours			
Surage Voltage(25 °C)	W.V	6.3	10	16
	S.V	8	13	20

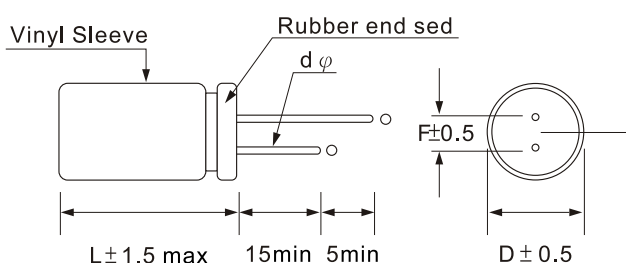
### Ripple Current Coefficients

Frequency (Hz)	120	1K	10K	100K
Cap (uF)	Multiplier			
470 to 1000	0.50	0.85	0.95	1.00
1200 to 4700	0.55	0.90	0.98	1.00

### Temperature Multipliers

Temperature °C	105	85	65
Factor	1.0	1.4	1.75

### Diagram of Dimensions: (Unit: mm)



∅D	8	10	13
F	3.5	5.0	5.0
∅d	0.6	0.8	0.8

## Case Size

uF \ WV	6.3	10	16
470	8x11	8x14	10x12
560	8x14	8x20	10x12
1000	8x14	8x20	10x20
1200	10x15	10x20	10x25
1500	10x20	10x25	10x25
1800	10x25	10x25	10x25
2200	10x25	10x25	10x25
2700	10x25	10x25	10x25
3300	10x25	13x26	13x30
3900	13x26	13x30	13x30
4700	13x30	13x30	...

## Impedance 25 °C 100 Khz ( $\Omega$ max)

uF \ WV	6.3	10	16
470	0.040	0.035	0.032
560	0.030	0.028	0.025
1000	0.028	0.025	0.020
1200	0.020	0.018	0.015
1500	0.013	0.013	0.013
1800	0.013	0.013	0.013
2200	0.013	0.013	0.013
2700	0.013	0.013	0.013
3300	0.013	0.013	0.013
3900	0.013	0.013	0.013
4700	0.013	0.013	0.013

## Ripple Current (mA r.m.s 105 °C 100 Khz)

uF \ WV	6.3	10	16
470	1000	1100	1260
560	1260	1350	1450
1000	1400	1500	1650
1200	1600	1700	1850
1500	2660	2800	2880
1800	2700	2850	2900
2200	2800	2900	2950
2700	2800	2950	3000
3300	2800	3000	3200
3900	2900	3200	3300
4700	3200	3400	3600

OS-CON	JKS SERIES
105 °C 2000H	105 °C 2000H
85 °C 20000H	85 °C 2000H
65 °C 200000H	65 °C 2000H