



JKS Ultra Low Impedance, High Ripple



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	Performance Characteristics			
Operating Temperature Range	-40 to +105°C			
Rated Voltage(V)	6.3	10	16	
Capacitance Tolerance	±20(25°C,120Hz)			
Dissipation Factor (tanδ)	0.15	0.14	0.12	
Leakage Current (LC)	I=0.01CV+3(μA), whichever is greater			
Low Temperature (120Hz)	Impedance ratio max.			
	Working	6.3	10	16
	Z (-25°C)/Z(+20°C)	3	3	3
	Z (-40°C)/Z(+20°C)	6	6	4
Load Life	Application of WV at 105°C the capacitor shall meet the following limits. Capacitance change: ≤±25% of the initial value Dissipation Factor: ≤200% of initial specified value Leakage current: ≤initial specified value Life Time: φD8 ≥2000 hours φD10 ≥3000 hours φD13 ≥5000 hours			

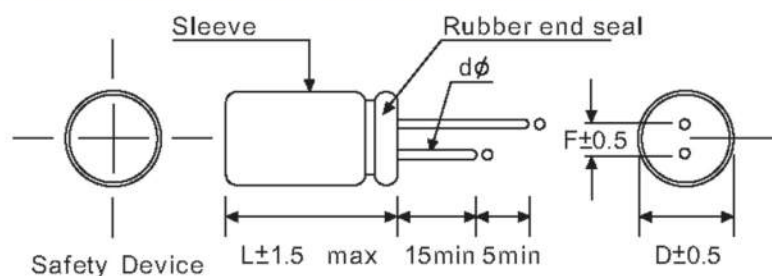
Multiplier for Ripple Current VS, Frequency

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

Multiplier for Ripple Current VS, Temperature

Temperature (°C)	105	85	65
Multiplier	1.0	1.4	1.75

Diagram of Dimensions: (Unit: mm)



Dφ	8	10	13
F	3.5	5.0	5.0
dφ	0.6	0.8	0.8

Case Size

φD x L (mm)

μF	W.V. {S.V.}	6.3 {8}			10 {13}			16 {20}		
		Size	Impedance	Ripple	Size	Impedance	Ripple	Size	Impedance	Ripple
470		8x11	0.040	1000	8x14	0.038	1100	8x14	0.036	1260
560		8x14	0.038	1260	8x20	0.036	1350	10x17	0.030	1450
1000		8x14	0.030	1400	8x20	0.028	1500	10x20	0.020	1650
1200		10x17	0.024	1600	10x20	0.022	1700	10x25	0.018	1850
1500		10x20	0.019	2660	10x25	0.019	2800	10x25	0.015	2880
1800		10x25	0.018	2700	10x25	0.015	2850	10x25	0.013	2900
2200		10x25	0.016	2750	10x25	0.013	2900	10x25	0.013	2950
2700		10x25	0.013	2800	10x25	0.013	2950	13x26	0.013	3000
3300		10x25	0.013	2860	13x26	0.013	3000	13x30	0.013	3200
3900		13x26	0.013	2900	13x30	0.013	3200	13x30	0.013	3300
4700		13x30	0.013	3200	13x30	0.013	3400	13x30	0.013	3600

- Ripple Current(mA,rms)at105°C 100KHz
- Max Impedance {Ω} at 20°C 100KHz