

# Radial Aluminum Electrolytic Capacitor – JRK

## FEATURES

- Load life of 2000 hours at 105°C
- 7MM Height



## SPECIFICATIONS

Operating Temperature Range (°C) -40°C ~ +105°C  
 Capacitance Tolerance (20°C, 120Hz) ±20%  
 Leakage Current (µF) 0.01CV or 3µA whichever is greater, (at 25°C, after 2 minutes)  
 C: Nominal Capacitance(µF) V: Rated Voltage(V)

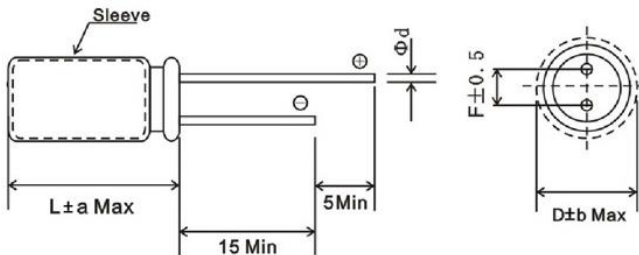
Dissipation Factor (20°C, 120Hz)	Rated Voltage	6.3	10	16	25	35	50
	Tan δ		0.22	0.19	0.16	0.14	0.12

Temperature Stability (120Hz)	Rated Voltage (V)		6.3	10	16	25	35	50
	Impedance Ratio	Z-25°C/Z+20°C	3			2		
	Z-40°C/Z+20°C	8	5	4	3			

Load Life (+105°C)	Time	2000hours
	Leakage Current	Not more than the specified value.
	Capacitance Change	Within±20% of the initial value
	Dissipation Factor	Not more than 200% of the specified value.

Shelf Life (+85°C) 500 hours. No voltage applied. After test: U<sub>R</sub> to be applied for 30 minutes, 24 to 48 hours before measurement.

## DIMENSIONS (mm)



ΦD	4	5	6.3
F	1.5	2.0	2.5
Φd±0.05	0.45		
a Max	+1.5 -1.0		
b Max	0.5		

## MULTIPLIER FOR RIPPLE CURRENT

### Frequency coefficient

Cap (µF)	Freq(Hz)			
	50,60	120	1K	10K ~ 100K
0.47 ~ 47	0.75	1.00	1.55	2.00
68 ~ 100	0.80	1.00	1.34	1.50

### Temperature coefficient

Temperature(°C)	+70	+85	+105
Factor	2.10	1.80	1

## STANDARD RATINGS

WV (V) Cap (µF)	6.3		10		16		25		35		50	
	Size(mm) DxL	Ripple mArms	Size(mm) DxL	Ripple mArms	Size(mm) DxL	Ripple mArms	Size(mm) DxL	Ripple mArms	Size(mm) DxL	Ripple mArms	Size(mm) DxL	Ripple mArms
0.1	--	--	--	--	--	--	--	--	--	--	4x7	6
0.22	--	--	--	--	--	--	--	--	--	--	4x7	8
0.33	--	--	--	--	--	--	--	--	--	--	4x7	10
0.47	--	--	--	--	--	--	--	--	--	--	4x7	12
1	--	--	--	--	--	--	--	--	--	--	4x7	16
2.2	--	--	--	--	--	--	--	--	--	--	4x7	25
3.3	--	--	--	--	--	--	4x7	21	4x7	23	4x7	28
4.7	--	--	--	--	--	--	4x7	25	4x7	25	4x7	48
10	--	--	--	--	4x7	39	5x7	47	5x7	48	6.3x7	75
22	4x7	42	5x7	49	5x7	54	6.3x7	87	6.3x7	90	--	--
33	5x7	53	5x7	60	6.3x7	83	6.3x7	90	--	--	--	--
47	5x7	64	6.3x7	95	6.3x7	95	--	--	--	--	--	--
100	4x7	118	5x7	136	5x7	152	--	--	--	--	--	--
220	--	--	6.3x7	170	--	--	--	--	--	--	--	--

Ripple Current: 105°C, 100KHz

Please visit our website to get more update data, those data & specification are subject to change without notice.