

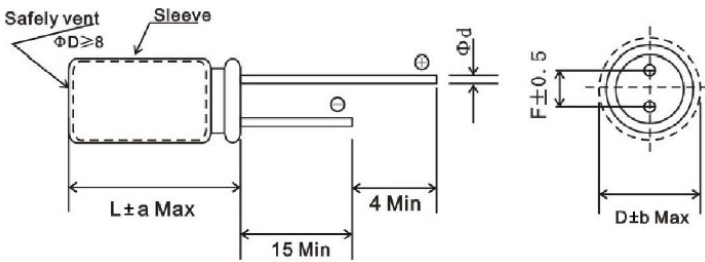
Radial Aluminum Electrolytic Capacitors – JRB

1. Standard Ratings:

capacitance	Voltage	tolerance	dimension	Pitch	Ripple Current 105C 120Hz
(μ F)	(V)	(%)	(mm)	(mm)	(Ar.m.s MAX.)
220	50	+/-20	10*12	5	345

2. Operating Temperature: -40°C~+105°C

3. Dimension:(mm)



ØD	Ød	F±0.5	a	b
10	0.6	5.0	+1.5-1.0	0.5

4. Multiplier for Ripple Current vs. Frequency coefficient vs Temperature coefficient

Frequency(Hz)	50	120	400	1K	10K	50K-100K
CAP(μ F)	(60)					
220	0.8	1	1.16	1.25	1.35	1.38
Temperature(°C)	+70		+85		+105	
Coefficient	1.96		1.68		1.0	

5. Specifications:

Items	Performance Characteristics						
Operating Temperature Range (°C)	-40°C~+105°C						
Rated Voltage (V)	50V						
Capacitance (μ F)	220 μ F						
Capacitance Tolerance(20°C, 120Hz)	±20%						
Leakage Current (+20°C.max)	$I \leq 0.01CV$ or $3\mu A$ (after 2 minutes, whichever is greater) $I \leq 0.03CV(\mu A) + 40\mu A$ (after 2 minutes)						
Dissipation Factor (+20°C, 120Hz)	When nominal capacitance exceeds 1000 μ F, add 0.02 to the value above for each 1000 μ F increase.						
	<table border="1"> <tr> <td>Ratd Voltage (V)</td> <td>50</td> </tr> <tr> <td>tan δ (max.)</td> <td>0.1</td> </tr> </table>	Ratd Voltage (V)	50	tan δ (max.)	0.1		
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Temperature Characteristics (Impedance ratio at 120Hz)	<table border="1"> <tr> <td>U_R (V)</td> <td>50</td> </tr> <tr> <td>Z-25°C / Z+20°C</td> <td>2</td> </tr> <tr> <td>Z-40°C / Z+20°C</td> <td>3</td> </tr> </table>	U _R (V)	50	Z-25°C / Z+20°C	2	Z-40°C / Z+20°C	3
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Z-25°C / Z+20°C	2						
Z-40°C / Z+20°C	3						
Load Life (+105°C)	After applying rated voltage with specified ripple current for 2000 hours at +105°C and then resumed 24 hours						
	<table border="1"> <tr> <td>Capacitance Change</td> <td>±20% of the initial measured value</td> </tr> <tr> <td>Dissipation Factor</td> <td>≤200% of the initial specified value</td> </tr> <tr> <td>Leakage Current</td> <td>≤the initial specified value</td> </tr> </table>	Capacitance Change	±20% of the initial measured value	Dissipation Factor	≤200% of the initial specified value	Leakage Current	≤the initial specified value
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Shelf Life (+105°C)	After storage for 1000 hours at +105°C. U _R to be applied for 30 minutes and then resumed 24 hours						
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