

Rubycon**RADIAL LEAD ALUMINUM ELECTROLYTIC CAPACITORS****JXF****JXF SERIES****UPGRADE**

◆ FEATURES

- Low Impedance, Wide Temperature Range
- Life:6000~8000Hours at 105°C
- AEC-Q200, RoHS Compliant

◆ SPECIFICATIONS

Item	Characteristics																								
Temperature Range	-55~+105℃																								
Rated Voltage Range	16~100Vdc																								
Capacitance Tolerance	±20%(20℃, 120Hz)																								
Leakage Current (MAX)	I=0.01CV after 2 minutes or 3μ A (whichever is greater) I=(μ A) C=(μ F) V=(Vdc) Leakage Current Capacitance Rated Voltage																								
Dissipation Factor (MAX)	<table><tr><td>(Vdc) Rated Voltage</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>80</td><td>100</td><td rowspan="2">(20℃, 120Hz)</td></tr><tr><td>tan δ</td><td>0.16</td><td>0.14</td><td>0.12</td><td>0.10</td><td>0.09</td><td>0.09</td><td>0.08</td></tr></table> When capacitance is over 1000μF, tanδ shall be added 0.02 to the listed value with increase of every 1000μF.								(Vdc) Rated Voltage	16	25	35	50	63	80	100	(20℃, 120Hz)	tan δ	0.16	0.14	0.12	0.10	0.09	0.09	0.08
(Vdc) Rated Voltage	16	25	35	50	63	80	100	(20℃, 120Hz)																	
tan δ	0.16	0.14	0.12	0.10	0.09	0.09	0.08																		
Endurance (Life)	After applying rated voltage with rated ripple current for specified time at 105℃, the capacitors shall meet the following requirements. <table><tr><td>Capacitance Change</td><td>Within ±30% of the initial value.</td><td rowspan="3"><table><tr><td>Case Size</td><td>(hrs) Life Time</td></tr><tr><td>φD≤10</td><td>6000</td></tr><tr><td>φD≥12.5</td><td>8000</td></tr></table></td></tr><tr><td>Dissipation Factor</td><td>Not more than 300% of the specified value.</td></tr><tr><td>Leakage Current</td><td>Not more than the specified value.</td></tr></table>								Capacitance Change	Within ±30% of the initial value.	<table><tr><td>Case Size</td><td>(hrs) Life Time</td></tr><tr><td>φD≤10</td><td>6000</td></tr><tr><td>φD≥12.5</td><td>8000</td></tr></table>	Case Size	(hrs) Life Time	φD≤10	6000	φD≥12.5	8000	Dissipation Factor	Not more than 300% of the specified value.	Leakage Current	Not more than the specified value.				
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Low Temperature Stability Impedance Ratio (MAX)	<table><tr><td>(Vdc) Rated Voltage</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>80</td><td>100</td><td rowspan="2">(120Hz)</td></tr><tr><td>Z (-55℃)/Z (20℃)</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td></tr></table>								(Vdc) Rated Voltage	16	25	35	50	63	80	100	(120Hz)	Z (-55℃)/Z (20℃)	3	3	3	3	3	3	3
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Z (-55℃)/Z (20℃)	3	3	3	3	3	3	3																		

◆ MULTIPLIER FOR RIPPLE CURRENT

f (Hz) Frequency		120	1k	10k	100k≤
Coefficient	82 ~ 270 μF	0.50	0.73	0.92	1.00
	300 ~ 680 μF	0.55	0.77	0.94	1.00
	820 ~ 1800 μF	0.60	0.80	0.96	1.00
	2200 ~ 10000 μF	0.70	0.85	0.98	1.00

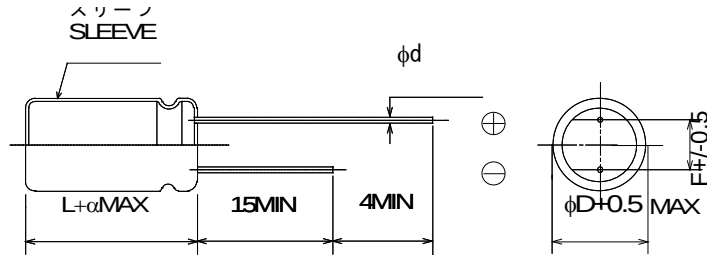
◆ PART NUMBER

$\square\square\square$	JXF	$\square\square\square$	M	EFC	$\square\square$	$\phi D \times L$
Rated Voltage	Series	Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size

*Specifications subject to change without notice.

Rubycon**RADIAL LEAD ALUMINUM ELECTROLYTIC CAPACITORS****JXF**

◆DIMENSIONS



ϕD	10	12.5	16	18
ϕd	0.6		0.8	
F	5		7.5	
α	2			

◆ Standard size

Rated Voltage (Vdc)	Capacitance (μF)	Size φD×L (mm)	Rated Ripple Current (mA r.m.s. /105°C,100kHz)	Impedance (Ω MAX)	
				20°C, 100kHz	-10°C, 100kHz
16	1000	10×16	1180	0.061	0.122
	1500	10×20	1490	0.045	0.09
	1800	10×25	1710	0.037	0.074
	2200	12.5×20	1780	0.038	0.076
	3300	12.5×25	2170	0.030	0.06
	3900	12.5×30	2540	0.025	0.05
	3900	16×20	2210	0.028	0.056
	5600	16×25	2620	0.022	0.044
	5600	18×20	2490	0.028	0.056
	6800	16×30	3060	0.019	0.038
	8200	18×25	2790	0.020	0.04
	10000	18×30	3240	0.018	0.036
25	680	10×16	1180	0.061	0.122
	1000	10×20	1490	0.045	0.09
	1200	10×25	1710	0.037	0.074
	1500	12.5×20	1780	0.038	0.076
	2200	12.5×25	2170	0.030	0.06
	2700	12.5×30	2540	0.025	0.05
	2700	16×20	2210	0.028	0.056
	3300	18×20	2490	0.028	0.056
	3900	16×25	2620	0.022	0.044
	4700	16×30	3060	0.019	0.038
	4700	18×25	2790	0.020	0.04
	5600	18×30	3240	0.018	0.036

Rated Voltage (Vdc)	Capacitance (μF)	Size φD×L (mm)	Rated Ripple Current (mA r.m.s. /105°C,100kHz)	Impedance (Ω MAX)	
				20°C, 100kHz	-10°C, 100kHz
35	470	10×16	1180	0.061	0.122
	680	10×20	1490	0.045	0.09
	820	10×25	1710	0.037	0.074
	1000	12.5×20	1780	0.038	0.076
	1200	12.5×25	2170	0.030	0.06
	1800	12.5×30	2540	0.025	0.05
	1800	16×20	2210	0.028	0.056
	2200	16×25	2620	0.022	0.044
	2200	18×20	2490	0.028	0.056
	3300	16×30	3060	0.019	0.038
	3300	18×25	2790	0.020	0.04
	3900	18×30	3240	0.018	0.036
50	180	10×16	850	0.100	0.2
	270	10×20	1050	0.075	0.15
	330	10×25	1250	0.057	0.114
	390	12.5×20	1480	0.059	0.118
	560	12.5×25	1840	0.044	0.088
	680	12.5×30	2220	0.036	0.072
	820	16×20	1840	0.044	0.088
	1200	16×25	2240	0.032	0.064
	1200	18×20	2150	0.041	0.082
	1500	16×30	2700	0.026	0.052
	1500	18×25	2610	0.029	0.058
	2200	18×30	3000	0.024	0.048

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RADIAL LEAD ALUMINUM ELECTROLYTIC CAPACITORS

JXF

◆ Standard size

Rated Voltage (Vdc)	Capacitance (μF)	Size φD×L (mm)	Rated Ripple Current (mA r.m.s. /105°C,100kHz)	Impedance (Ω MAX)	
				20°C, 100kHz	-10°C, 100kHz
63	120	10 × 16	600	0.160	0.32
	180	10 × 20	890	0.120	0.24
	220	10 × 25	1050	0.090	0.18
	330	12.5 × 20	1290	0.085	0.17
	390	12.5 × 25	1720	0.066	0.132
	470	12.5 × 30	2090	0.052	0.104
	560	16 × 20	1770	0.059	0.118
	820	16 × 25	2160	0.047	0.094
	820	18 × 20	2290	0.055	0.11
	1000	16 × 30	2670	0.037	0.074
	1000	18 × 25	2590	0.040	0.08
	1500	18 × 30	2950	0.032	0.064
NEW 80	100	10 × 16	550	0.330	0.81
	150	10 × 20	780	0.240	0.59
	180	10 × 25	970	0.190	0.47
	180	12.5 × 20	1120	0.165	0.39
	270	12.5 × 25	1420	0.120	0.28
	390	12.5 × 30	1690	0.097	0.23
	390	16 × 20	1560	0.110	0.26
	470	18 × 20	1660	0.090	0.19
	560	16 × 25	1980	0.081	0.19
	680	16 × 30	2350	0.064	0.15
	680	18 × 25	2100	0.070	0.15
	820	18 × 30	2490	0.058	0.13

Rated Voltage (Vdc)	Capacitance (μF)	Size φD×L (mm)	Rated Ripple Current (mA r.m.s. /105°C,100kHz)	Impedance (Ω MAX)	
				20°C, 100kHz	-10°C, 100kHz
NEW 100	68	10 × 16	550	0.330	0.81
	100	10 × 20	780	0.240	0.59
	120	10 × 25	970	0.190	0.47
	120	12.5 × 20	1120	0.165	0.39
	180	12.5 × 25	1420	0.120	0.28
	220	12.5 × 30	1690	0.097	0.23
	270	16 × 20	1560	0.110	0.26
	330	16 × 25	1980	0.081	0.19
	330	18 × 20	1660	0.090	0.19
	470	16 × 30	2350	0.064	0.15
	470	18 × 25	2100	0.070	0.15
	560	18 × 30	2490	0.058	0.13

*Specifications subject to change without notice.

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