

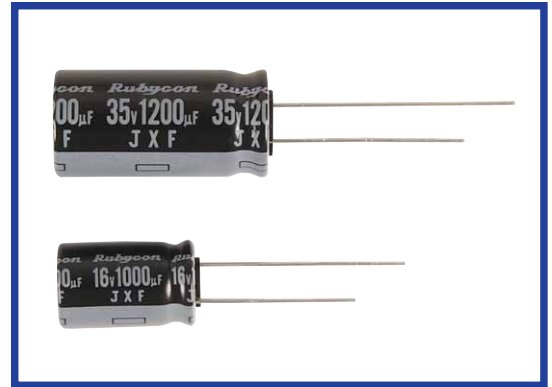
JXF SERIES

NEW

105°C Low Impedance, Wide Temperature Range

◆FEATURES

- 105°C 6000~8000 hours.
- High Ripple Current, Low ESR, High Reliability.
- RoHS compliance.



◆SPECIFICATIONS

Items	Characteristics												
Category Temperature Range	-55~+105℃												
Rated Voltage Range	16~35Vdc												
Capacitance Tolerance	±20% (20℃, 120Hz)												
Leakage Current(MAX)	I=0.01CV or 3μA whichever is greater. (After 2 minutes) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(Vdc)												
(tanδ) Dissipation Factor(MAX)	<table><tr><td>Rated Voltage (Vdc)</td><td>16</td><td>25</td><td>35</td></tr><tr><td>tanδ</td><td>0.16</td><td>0.14</td><td>0.12</td></tr></table> (20℃, 120Hz) When capacitance is over 1000μF, tanδ shall be added 0.02 to the listed value with increase of every 1000μF.	Rated Voltage (Vdc)	16	25	35	tanδ	0.16	0.14	0.12				
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tanδ	0.16	0.14	0.12										
Endurance	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></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> <table><tr><td>Case Size</td><td>Life Time (hrs)</td></tr><tr><td>φD=10</td><td>6000</td></tr><tr><td>φD≥12.5</td><td>8000</td></tr></table>	Capacitance Change	Within ±30% of the initial value.	Dissipation Factor	Not more than 300% of the specified value.	Leakage Current	Not more than the specified value.	Case Size	Life Time (hrs)	φD=10	6000	φD≥12.5	8000
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Case Size	Life Time (hrs)												
φD=10	6000												
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Low Temperature Stability Impedance Ratio(MAX)	<table><tr><td>Rated Voltage (Vdc)</td><td>16</td><td>25</td><td>35</td></tr><tr><td>Z(-55℃)/Z(20℃)</td><td>3</td><td>3</td><td>3</td></tr></table> (120Hz)	Rated Voltage (Vdc)	16	25	35	Z(-55℃)/Z(20℃)	3	3	3				
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Z(-55℃)/Z(20℃)	3	3	3										

MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)		120	1k	10k	100k≤
Coefficient	470~680µF	0.55	0.77	0.94	1.00
	820~1800µF	0.60	0.80	0.96	1.00
	2200~10000µF	0.70	0.85	0.98	1.00

◆OPTION

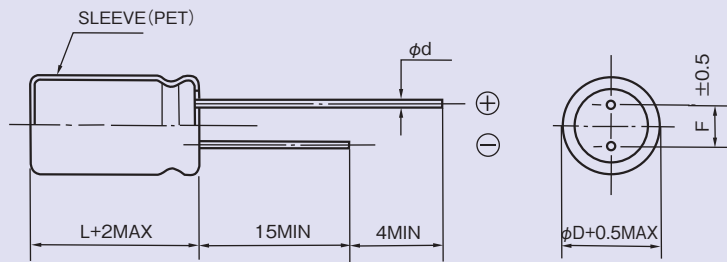
	Code
PET Sleeve	EFC

◆PART NUMBER

□□□ JXF □□□□□ M □□□ □□ DXL
 Rated Voltage Series Capacitance Capacitance Tolerance Option Lead Forming Case Size

◆DIMENSIONS

(mm)



ϕD	10	12.5	16	18
ϕd	0.6		0.8	
F	5.0		7.5	

◆STANDARD SIZE

Rated Voltage (Vdc)	Capacitance (μF)	Size $\phi D \times L$ (mm)	Rated ripple current (mA rms/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	0.090
	1800	10×25	1710	0.037	0.074
	2200	12.5×20	1780	0.038	0.076
	3300	12.5×25	2170	0.030	0.060
	3900	12.5×30	2540	0.025	0.050
	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	0.040
	10000	18×30	3240	0.018	0.036
25	680	10×16	1180	0.061	0.122
	1000	10×20	1490	0.045	0.090
	1200	10×25	1710	0.037	0.074
	1500	12.5×20	1780	0.038	0.076
	2200	12.5×25	2170	0.030	0.060
	2700	12.5×30	2540	0.025	0.050
	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	0.040
	5600	18×30	3240	0.018	0.036
35	470	10×16	1180	0.061	0.122
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