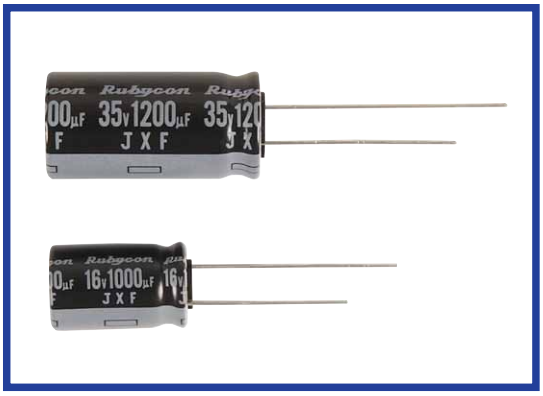
JXF SERIES NEW

105℃ Low Impedance, Wide Temperature Range



◆FEATURES

- 105℃ 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)	(20℃,120Hz) When capacitance is over 1000μF, tanδ shall be added 0.02 to the listed value with increase of every 1000μF.
Endurance	After applying rated voltage with rated ripple current for specified time at 105℃, the capacitors shall meet the following requirements.
Low Temperature Stability Impedance Ratio(MAX)	(120Hz)

Dissipation Factor(MAX):

Rated Voltage (Vdc)	16	25	35
tanδ	0.16	0.14	0.12

Endurance:

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

Low Temperature Stability Impedance Ratio(MAX):

Rated Voltage (Vdc)	16	25	35
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

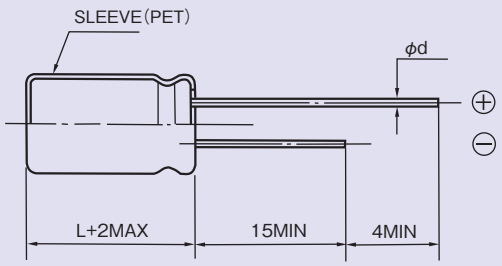
	Code
PET Sleeve	EFC

◆PART NUMBER

□□□	JXF	□□□□□	M	□□□	□□	D×L
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 φD×L(mm)	Rated ripple current (mArms/105℃,100kHz)	Impedance (Ω MAX)	
				20℃, 100kHz	−10℃, 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
	680	10×20	1490	0.045	0.090
	820	10×25	1710	0.037	0.074
	1000	12.5×20	1780	0.038	0.076
	1200	12.5×25	2170	0.030	0.060
	1800	12.5×30	2540	0.025	0.050
	1800	16×20	2210	0.028	0.056
	2200	16×25	2620	0.022	0.044
	2200	18×20	2490	0.028	0.056
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