JXF SERIES UPGRADE

105℃ Low Impedance, Wide Temperature Range

- 105℃ 6000~8000 hours.
- AEC-Q200.

RoHS compliance

◆SPECIFICATIONS

Items	Characteristics
Category Temperature Range	−55~+105℃
Rated Voltage Range	16~63Vdc
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)
Dissipation Factor(MAX) (tanδ)	Rated Voltage (Vdc): 16 / 25 / 35 / 50 / 63 tanδ: 0.16 / 0.14 / 0.12 / 0.10 / 0.09 (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. 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 / 50 / 63 Z(−55℃)/Z(20℃): 3 / 3 / 3 / 3 / 3 (120Hz)

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency(Hz)		120	1k	10k	100k≦
Coefficient	120~270μF	0.50	0.73	0.92	1.00
	330~680μF	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

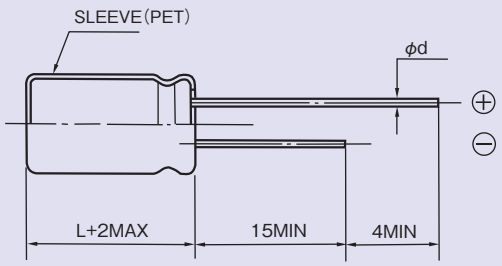
	Code
PET Sleeve	EFC

◆PART NUMBER

□□□ Rated Voltage / JXF Series / □□□□□ Capacitance / M Capacitance Tolerance / □□□ Option / □□ Lead Forming / D×L 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
	3300	16×30	3060	0.019	0.038
	3300	18×25	2790	0.020	0.040
	3900	18×30	3240	0.018	0.036

Rated Voltage (Vdc)	Capacitance (μF)	Size φD×L(mm)	Rated ripple current (mArms/105℃,100kHz)	Impedance (Ω MAX)	
				20℃, 100kHz	−10℃, 100kHz
50	180	10×16	850	0.100	0.200
	270	10×20	1050	0.075	0.150
	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
63	120	10×16	600	0.160	0.320
	180	10×20	890	0.120	0.240
	220	10×25	1050	0.090	0.180
	330	12.5×20	1290	0.085	0.170
	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	0.110
	1000	16×30	2670	0.037	0.074
	1000	18×25	2590	0.040	0.080
	1500	18×30	2950	0.032	0.064