RXF SERIES NEW

Load Life : 125℃ 2000～3000 hours

- High Ripple Current, Miniaturized.
- AEC-Q200.

RoHS compliance

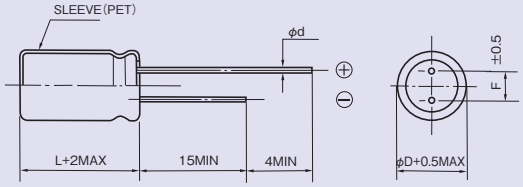
◆SPECIFICATIONS

Items	Characteristics
Category Temperature Range	−55～+125℃
Rated Voltage Range	25～63Vdc
Capacitance Tolerance	±20%(20℃,120Hz)
Leakage Current(MAX)	I=0.01CV MAX. (After 2 minutes) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(Vdc)
Dissipation Factor(MAX) (tanδ)	Rated Voltage (Vdc): 25 / 35 / 50 / 63 tanδ: 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 125℃, 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): 10×16, 10×20: 2000; 10×25, φD≧12.5: 3000
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage (Vdc): 25 / 35 / 50 / 63 Z(−55℃)/Z(20℃): 3 / 3 / 3 / 3 (120Hz)

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency(Hz)		120	1k	10k	100k≦
Coefficient	240μF	0.50	0.73	0.92	1.00
	330～680μF	0.55	0.77	0.94	1.00
	750～1800μF	0.60	0.80	0.96	1.00
	2000～7500μF	0.70	0.85	0.98	1.00

◆DIMENSIONS (mm)



φD	10	12.5	16	18
φd	0.6		0.8	
F	5.0		7.5	

◆PART NUMBER

□□□ (Rated Voltage) RXF (Series) □□□□□ (Capacitance) M (Capacitance Tolerance) □□□ (Option) □□ (Lead Forming) D×L (Case Size)

◆OPTION

	Code
PET Sleeve	EFC

◆STANDARD SIZE

Rated Voltage (Vdc)	Capacitance (μF)	Size φD×L(mm)	Rated ripple current (mA r.m.s./125℃, 100kHz)	ESR (Ω MAX)	
				20℃, 100kHz	−40℃, 100kHz
25	750	10×16	1300	0.078	0.52
	1200	10×20	1540	0.058	0.39
	1500	10×25	1880	0.042	0.30
	1800	12.5×20	1590	0.038	0.22
	2700	12.5×25	2280	0.030	0.16
	3000	16×20	1890	0.029	0.13
	3300	12.5×30	2760	0.025	0.13
	4300	16×25	3030	0.022	0.092
	4300	18×20	1930	0.028	0.11
	5100	16×30	3330	0.018	0.071
	5600	18×25	3200	0.020	0.081
	7500	18×30	3480	0.016	0.066
35	510	10×16	1300	0.078	0.52
	680	10×20	1540	0.058	0.39
	820	10×25	1880	0.042	0.30
	1100	12.5×20	1590	0.038	0.22
	1500	12.5×25	2280	0.030	0.16
	2000	12.5×30	2760	0.025	0.13
	2000	16×20	1890	0.029	0.13
	2400	16×25	3030	0.022	0.092
	2400	18×20	1930	0.028	0.11
	3300	16×30	3330	0.018	0.071
	3300	18×25	3200	0.020	0.081
	4300	18×30	3480	0.016	0.066
50	240	10×16	1080	0.12	0.94
	330	10×20	1290	0.088	0.69
	430	10×25	1740	0.062	0.48
	510	12.5×20	1410	0.060	0.41
	750	12.5×25	2030	0.044	0.30
	910	16×20	1740	0.042	0.21
	1000	12.5×30	2510	0.036	0.25
	1200	18×20	1830	0.040	0.20
	1300	16×25	2690	0.030	0.16
	1600	16×30	3150	0.025	0.13
	1800	18×25	2900	0.029	0.15
	2200	18×30	3330	0.024	0.12
63	390	12.5×20	1310	0.094	0.48
	510	12.5×25	1880	0.069	0.36
	620	16×20	1630	0.062	0.24
	680	12.5×30	2410	0.052	0.29
	820	18×20	1750	0.055	0.22
	910	16×25	2300	0.047	0.18
	1100	16×30	2940	0.037	0.14
	1200	18×25	2440	0.042	0.16
	1500	18×30	3100	0.034	0.13