

**RXF SERIES**

**NEW**

**Load Life : 125°C 2000~3000 hours**

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

RoHS compliance



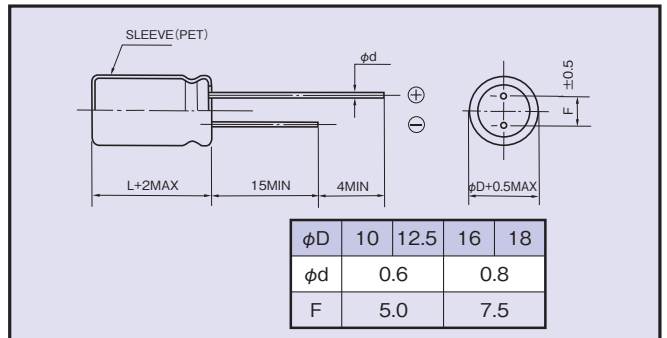
**◆SPECIFICATIONS**

Items	Characteristics													
Category Temperature Range	-55~+125°C													
Rated Voltage Range	25~63Vdc													
Capacitance Tolerance	±20% (20°C, 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)	<table border="1"> <tr> <td>Rated Voltage (Vdc)</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>(20°C, 120Hz)</td> </tr> <tr> <td>tanδ</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> <td></td> </tr> </table> <p>When capacitance is over 1000µF, tanδ shall be added 0.02 to the listed value with increase of every 1000µF.</p>	Rated Voltage (Vdc)	25	35	50	63	(20°C, 120Hz)	tanδ	0.14	0.12	0.10	0.09		
Rated Voltage (Vdc)	25	35	50	63	(20°C, 120Hz)									
tanδ	0.14	0.12	0.10	0.09										
Endurance	<p>After applying rated voltage with rated ripple current for specified time at 125°C, the capacitors shall meet the following requirements.</p> <table border="1"> <tr> <td>Capacitance Change</td> <td>Within ±30% of the initial value.</td> <td rowspan="3"> <table border="1"> <tr> <td>Case Size</td> <td>Life Time (hrs)</td> </tr> <tr> <td>10×16, 10×20</td> <td>2000</td> </tr> <tr> <td>10×25, φD≥12.5</td> <td>3000</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 border="1"> <tr> <td>Case Size</td> <td>Life Time (hrs)</td> </tr> <tr> <td>10×16, 10×20</td> <td>2000</td> </tr> <tr> <td>10×25, φD≥12.5</td> <td>3000</td> </tr> </table>	Case Size	Life Time (hrs)	10×16, 10×20	2000	10×25, φD≥12.5	3000	Dissipation Factor	Not more than 300% of the specified value.	Leakage Current	Not more than the specified value.
Capacitance Change	Within ±30% of the initial value.	<table border="1"> <tr> <td>Case Size</td> <td>Life Time (hrs)</td> </tr> <tr> <td>10×16, 10×20</td> <td>2000</td> </tr> <tr> <td>10×25, φD≥12.5</td> <td>3000</td> </tr> </table>	Case Size		Life Time (hrs)	10×16, 10×20	2000	10×25, φD≥12.5	3000					
Case Size	Life Time (hrs)													
10×16, 10×20	2000													
10×25, φD≥12.5	3000													
Dissipation Factor	Not more than 300% of the specified value.													
Leakage Current	Not more than the specified value.													
Low Temperature Stability Impedance Ratio(MAX)	<table border="1"> <tr> <td>Rated Voltage (Vdc)</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>(120Hz)</td> </tr> <tr> <td>Z(-55°C)/Z(20°C)</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td></td> </tr> </table>	Rated Voltage (Vdc)	25	35	50	63	(120Hz)	Z(-55°C)/Z(20°C)	3	3	3	3		
Rated Voltage (Vdc)	25	35	50	63	(120Hz)									
Z(-55°C)/Z(20°C)	3	3	3	3										

**◆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)



**◆PART NUMBER**



**◆OPTION**

PET Sleeve	Code
	EFC

**◆STANDARD SIZE**

Rated Voltage (Vdc)	Capacitance (μF)	Size φD×L(mm)	Rated ripple current (mA r.m.s./125°C, 100kHz)	ESR (Ω MAX)	
				20°C, 100kHz	-40°C, 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	