

RXZ Series 铝电解电容器长寿命品 Long life products of aluminum electrolytic capacitor

- 小型化，长寿命品
- 寿命：+105 °C 10000~12000 小时 Life time:+105 °C 10000~12000Hrs
- 符合 RoHS 指令 RoHS compliance



主要技术性能 Specifications

项目 Items	特 性 Characteristics									
使用温度范围 Operating Temperature Range	-40~+105°C									
额定电压范围 Rated Voltage Range	160~450V. DC									
标称电容量允许偏差 Capacitance Tolerance	±20% (120Hz, 20°C)									
漏电流(20°C) Leakage Current	160 ~ 500V.DC									
	$I = 3\sqrt{CV}$ (5minute) I = Leakage Current(µA) C=Capacitance(µF) V=Rated Voltage(Vdc)									
损耗角正切值 Dissipation Factor (120Hz 20°C)	160 ~ 400V	420 ~ 450V								
	0.20	0.25								
容量大于 1000 µF 者，每增加 1000 µF，其损耗角正切值增加 0.02 For capacitance exceeding 1000 µF, add 0.02 per increment of 1000 µF										
温度特性 (120Hz) Temperature Characteristics Impedance Ratio (120Hz)	WV	160~250V	350、400V	420~450V						
	Z - 25°C / Z +20°C	3	5	6						
	Z - 40°C / Z +20°C	6	6	10						
耐久性 Load Life	+105°C施加额定电压 10000~12000 小时，恢复 16 小时后，电容器应满足要求 After applying rated voltage for 8000~12000 hours at +105°C and then resumed 16 hours. The capacitor shall meet the following limits.									
	电容量变化率 Capacitance Change	≤±20%初始测量值 ≤±20% of Initial measured value		<table border="1"> <thead> <tr> <th>Case Size</th> <th>Time(hrs)</th> </tr> </thead> <tbody> <tr> <td>L≤20</td> <td>10000h</td> </tr> <tr> <td>L≥25</td> <td>12000h</td> </tr> </tbody> </table>	Case Size	Time(hrs)	L≤20	10000h	L≥25	12000h
	Case Size	Time(hrs)								
	L≤20	10000h								
	L≥25	12000h								
漏电流值 Leakage	≤规定值 ≤The specified value									
损耗角正切值 Dissipation Factor	≤2 倍规定值 ≤200% of the specified value									
高温贮存 Shelf Life	+105°C, 1000 小时，然后按 JISC5101-4 第 4.1 项预处理后测量。 After storage for 1000 hours at +105 °C, the capacitor shall be preconditioned by applying voltage according to Item4.1 of JISC5101-4.									
	电容量变化率 Capacitance Change	≤±20%初始测量值 ≤±20% of Initial measured value								
	漏电流值 Leakage	≤规定值 ≤The specified value								
	损耗角正切值 Dissipation Factor	≤2 倍规定值 ≤200% of the specified value								

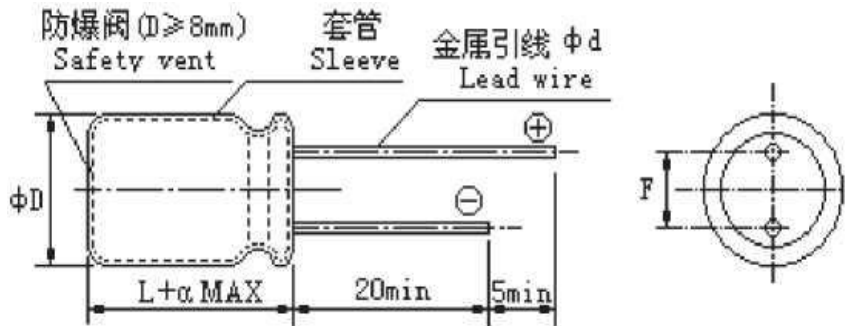
RXZ Series

■ 额定纹波电流的频率系数 Frequency coefficient of rated ripple current

160~450V

频率 (Hz) CAP (μF)	60(50)	120	500	1K	10K	100K≤
10~82μF	0.80	1.00	1.30	1.50	2.10	2.50
100~220μF	0.80	1.00	1.30	1.50	2.00	2.25
270~820μF	0.80	1.00	1.30	1.50	1.90	2.00

■ 外形图及尺寸 Case size table



mm

$\phi D \pm 0.5$	10	12.5 or 13	16	18
L	16, 20, 25, 30, 35, 45	20, 25, 30, 35, 40, 45	20, 30, 32, 36, 40, 45, 50	20, 25, 32, 36, 40, 45, 50
$F \pm 0.5$	5.0		7.5	
$\phi d \pm 0.05$	0.6		0.8	
a	2.0			

RXZ Series

■ 规格壳号、最大允许纹波电流

Standard sizes & Maximum permissible ripple current

wv CAP (μ F)	160V			200V			220V			250V		
	Size	Ripple		Size	Ripple		Size	Ripple		Size	Ripple	
		120HZ	100KHZ		120HZ	100KHZ		120HZ	100KHZ		120HZ	100KHZ
27										10x16	260	650
33				10x16	260	650	10x16	240	600			
39										10x20	320	800
47	10x16	260	650	10x20	320	800	10x20	300	750	10x25 16x16	390 540	975 1350
56				16x16	540	1350	10x25	400	1000	12.5x20 18x16	540 620	1350 1550
68	10x20	320	800	10x25 12.5x20	430 540	1075 1350	12.5x20	480	1200	10x30	500	1250
82	16x16	540	1350	10x30 18x16	500 620	1250 1550	10x30	500	1250	10x35 12.5x25	570	1425
100	10x25 12.5x20 18x16	530 600 690	1193 1350 1553	10x35	640	1440	10x35 12.5x25	640 620	1440 1395	10x45 12.5x30 16x20	720 690 800	1620 1553 1800
120	10x30	620	1395	10x40 12.5x25 16x20	740 650 800	1665 1463 1800	10x45 12.5x30 16x20	750 740 680	1688 1665 1530	10x50 12.5x35 18x20	780 790 1000	1755 1778 2250
150	10x35 12.5x25	700 730	1575 1643	10x45 12.5x30	780 800	1755 1800	12.5x35 18x20	880 830	1980 1868	12.5x40 16x25	920 840	2070 1890
180	10x40 12.5x30 16x20	800 870 800	1800 1958 1800	12.5x35 16x25 18x20	920 900 1000	2070 2025 2250	12.5x40 16x25	1020 900	2295 2025	12.5x45 16x30 18x25	970 950 920	2183 2138 2070
220	10x50 12.5x35 18x20	1000 1000 990	2250 2250 2228	12.5x40 16x30	1050 1080	2363 2430	12.5x45 16x30 18x25	1050 1030 990	2363 2318 2228	16x35 18x30	1100	2475
270	12.5x40 16x25	1120 1000	2240 2000	12.5x50 16x30 18x25	1260 1180 1100	2520 2360 2200	16x35 18x30	1190 1170	2380 2340	16x40 18x35	1270 1260	2540 2520
330	12.5x45 16x30 18x25	1240 1200 1180	2480 2400 2360	16x40 18x30	1430 1300	2860 2600	16x40 18x35	1360 1350	2720 2700	16x50 18x40	1480 1450	2960 2900
390	16x35	1380	2760	16x45 18x35	1550 1430	3100 2860	16x45 18x40	1480 1550	2960 3100	18x45	1590	3180
470	16x40 18x30	1550	3100	16x50 18x40	1680 1620	3360 3240	18x45	1690	3380	18x50	1830	3660
560	16x45 18x35	1760 1740	3520 3480	18x45	1770	3540	18x50	1800	3600			
680	18x40	2000	4000									
820	18x50	2230	4460									

I~额定纹波电流 Rated ripple current: (mA, 105°C)

wv CAP (μ F)	350V			400V			420V			450V		
	Size	Ripple		Size	Ripple		Size	Ripple		Size	Ripple	
		120HZ	100KHZ		120HZ	100KHZ		120HZ	100KHZ		120HZ	100KHZ
10										10x16	130	325
12				10x16	160	400						
15							10x20	190	475	10x20 16x16	190 210	475 525
18	10x16	160	400	10x20 16x16	220 230	550 575	10x25	230	575	10x25	230	575
22	10x20	200	500	10x25	240	600	10x25	250	625	10x30 12.5x20 18x16	270 280 340	675 700 850
27	16x16	310	775	10x25 12.5x20 18x16	290 340 380	725 850 950	10x30 12.5x20 12.5x25	290 300 340	725 750 850	10x35 12.5x25	320 340	800 850
33	10x25 12.5x20 18x16	330 340 380	825 850 950	10x30	340	850	10x35 12.5x25 12.5x30	340 350 400	850 875 1000	10x40 12.5x25 12.5x30	360 360 400	900 900 1000
39	10x30	390	975	10x35 12.5x25	390	975	10x40 16x20	390 400	975 1000	10x45 12.5x35 16x20	410 460 400	1025 1150 1000
47	10x35 12.5x25	450	1125	10x40 12.5x30 16x20	440 455 470	1100 1138 1175	12.5x30 12.5x35 16x25	440 505 440	1100 1263 1100	12.5x40 16x25 18x20	525 500 460	1313 1250 1150
56	10x40 12.5x30 16x20	520 550 480	1300 1375 1200	12.5x30 12.5x35 16x20 18x20	495 525 480 520	1238 1313 1200 1300	12.5x35 12.5x40 16x25 18x20	510 570 510 480	1275 1425 1275 1200	12.5x45 16x25 16x30 18x25	590 530 585 560	1475 1325 1463 1400
68	10x50 12.5x35	600 610	1500 1525	12.5x35 12.5x40 16x25 18x20	570 600 570 530	1425 1500 1425 1325	12.5x45 12.5x50 16x30 18x25	600 670 560 615	1500 1675 1400 1538	12.5x45 12.5x50 16x30 16x35 18x25	610 670 610 660 610	1525 1675 1525 1650 1525
82	12.5x40 16x25 18x20	710 650 520	1775 1625 1300	12.5x40 12.5x45 16x30 18x25	650 680 670 640	1625 1700 1675 1600	12.5x50 16x35 18x25 18x30	690 690 640 730	1725 1725 1600 1825	16x35 16x40 18x30	690 750 730	1725 1875 1825
100	12.5x45 16x30 18x25	790 770 760	1778 1733 1710	12.5x50 16x30 16x35 18x25	760 710 760 710	1710 1598 1710 1598	16x35 16x40 18x30 18x35	730 800 780 835	1643 1800 1755 1879	16x40 16x45 18x30 18x35	770 840 750 835	1733 1890 1688 1879
120	12.5x50 16x35	850 890	1913 2003	16x35 16x40 18x30 18x35	810 860 840 870	1823 1935 1890 1958	16x40 16x45 18x35 18x40	840 920 850 930	1890 2070 1913 2093	16x45 18x35 18x40	880 860 930	1980 1935 2093
150	16x40 18x30	1000 900	2250 2025	16x45 16x50 18x35 18x40	950 995 920 985	2138 2239 2070 2216	16x50 18x40 18x45	940 1000 1060	2115 2250 2385	18x45 18x50	1000 1060	2250 2385
180	16x45 18x35	1120 1040	2520 2340	16x50 18x40 18x45	1070 1040 1095	2408 2340 2464	18x45	1100	2475	18x50	1100	2475
220	18x40	1200	2700	18x50	1220	2745						
270	18x50	1400	2800									

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