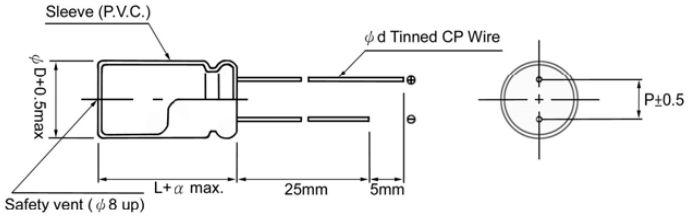
PSRX SERIES

低阻抗之特性适用于高频应用之电子回路.
105℃Low Impedance, Standard Series , Radial Load Life:105℃,2000 hours .
High ripple current at high frequency. Suitable for switching power circuits application

SPECIFICATION:

ITEMS 项目	CHARACTERISTIC 特性							
Rated Voltage Range(vdc) 额定电压	6.3v ～ 100v DC							
Operating Temperature Range 使用温度范围	-40℃ ～ +105 ℃							
Capacitance Tolerance 电容量容许差	±20%(M) at 20℃,120Hz							
Leakage Current 漏泄电流	I=0.01CV or 3μA , Whichever is greater after 3 minutes							
	I = Leakage current(μA) C = Rated Capacitance(μF) V = Working Voltage (v)							
Dissipation Factor (tanδ) 损失角之正接	For capacitance of more than 1000μF ,add 0.02 for every increase of 1000μF.							
	Rated Voltage	6.3	10	16	25	35	50	63	100
	DF(tan δ)	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08
Temperature Characteristics 低温稳定特性	Impedance Ratio At 120Hz 低温特性阻抗比								
	Rated Voltage	6.3	10	16	25	35	50	63	100
	Z(-40℃)/Z(20℃)	8	6	4	3	3	3	3	3
Load Life 高温负载寿命	After(ψD≦10 1000hours, ψD≧13 2000hours)application of W.V. at＋105℃,capacitors meet the characteristic of following requirements.								
	Capacitance change rate	≦ ±25% of initial value							
	DF(tan δ)	≦ 200% of the initial specified value							
	Leakage current	initial specified value							
Shelf Life 高温无负载寿命	AT 85℃ no voltage applied after 500 hours the capacitor shall meet the following limits.								
	Capacitance change rate	≦ ±25% of initial value							
	DF(tan δ)	≦ 200% of the initial specified value							
	Leakage current	≦ 200% of the initial specified value							

Dimension (mm)



φD	5	6.3	8	10	13	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
φd	0.5			0.6		0.8	
α	1.5						

RICHEY ALUMINUM ELECTROLYTIC CAPACITORS PSRX Series

Standard Products Table 寸法表 DxL(mm)

WV	6.3v			10v			16v			25v		
Cap	Size	IMP.	Ripple	Size	IMP.	Ripple	Size	IMP.	Ripple	Size	IMP.	Ripple
4.7										5x11	1.500	160
10										5x11	1.500	160
22	5x11	1.500	160	5x11	1.500	160	5x11	1.500	160	5x11	1.500	160
33	5x11	1.500	160	5x11	1.500	160	5x11	1.500	160	5x11	1.500	160
47	5x11	1.500	160	5x11	1.500	160	5x11	1.500	160	5x11	1.500	160
100	5x11	1.500	160	5x11	1.500	160	6.3x11	0.500	250	6.3x11	0.500	250
220	6.3x11	0.500	250	6.3x11	0.500	250	8x11	0.280	410	8x11	0.280	410
330	6.3x11	0.500	250	8x11	0.280	410	8x11	0.280	410	10x12	0.190	600
470	8x11	0.280	410	8x11	0.280	410	10x12	0.190	600	10x16	0.140	800
680	10x12	0.190	600	10x12	0.190	600	10x16	0.140	800	10x20	0.110	1000
1000	10x12	0.190	600	10x16	0.140	800	10x20	0.110	1000	13x20	0.075	1250
1500	10x20	0.110	1000	10x20	0.110	1000	13x20	0.075	1250	16x25	0.038	1900
2200	13x20	0.075	1250	13x20	0.075	1250	13x25	0.057	1550	16x25	0.038	1900
3300	13x20	0.075	1250	13x25	0.057	1550	16x25	0.038	1900	16x32	0.033	2350
4700	16x25	0.038	1900	16x25	0.038	1900	16x32	0.033	2350	18x36	0.030	2700
6800	16x25	0.038	1900	16x32	0.030	2350	18x36	0.030	2700	18x40	0.027	3300
10000	16x32	0.033	2350	18x36	0.030	2700	18x40	0.027	3300			
15000	18x36	0.030	2700	18x40	0.027	3300						

WV	35v			50v			63v			100v		
Cap	Size	IMP.	Ripple	Size	IMP.	Ripple	Size	IMP.	Ripple	Size	IMP.	Ripple
0.47				5x11	7.500	25				5x11	43.00	20
1				5x11	5.300	40				5x11	21.00	30
2.2				5x11	4.500	55				5x11	9.800	44
3.3				5x11	3.900	65				5x11	6.600	58
4.7	5x11	1.500	160	5x11	3.500	90	5x11	4.700	68	5x11	4.600	74
10	5x11	1.500	160	5x11	2.100	120	5x11	2.100	110	6.3x11	1.800	130
22	5x11	1.500	160	5x11	1.800	150	6.3x11	0.980	180	8x11	0.680	230
33	5x11	1.500	160	6.3x11	0.650	250	6.3x11	0.710	220	10x12	0.460	320
47	6.3x11	0.500	250	6.3x11	0.650	250	8x11	0.065	310	10x16	0.370	420
100	8x11	0.280	410	8x11	0.360	340	10x12	0.031	390	13x20	0.180	580
150	8x11	0.280	410	10x12	0.260	490	10x16	0.025	440	13x25	0.130	710
220	10x12	0.190	600	10x16	0.180	650	10x20	0.200	700	16x25	0.100	890
330	10x16	0.140	800	10x20	0.150	810	13x20	0.120	980	16x25	0.090	1080
470	10x20	0.110	1000	13x20	0.130	1100	13x25	0.081	1200	16x32	0.076	1310
680	13x20	0.075	1250	13x25	0.100	1200	16x25	0.058	1300	16x36	0.064	1410
1000	13x25	0.057	1550	16x25	0.058	1600	16x32	0.079	1380	18x40	0.047	2520
1500	16x25	0.038	1900	16x32	0.040	2000	18x36	0.038	1750			
2200	16x32	0.033	2350	18x36	0.035	2350	18x40	0.032	2120			
3300	18x36	0.030	2700									
4700	18x40	0.027	3300									

Size=ϕD×L, Imp= Impedance(Ω) 100KHZ, Ripple= Rated Ripple Current 20℃/100KHz(mA rms)