

JVB series

■ 特性 Features

- 105°C 2000~5000H.
- 极低阻抗品, 阻抗比 JVA 系列低 20~30% Ultra-low impedance product, with impedance 20-30% lower than JVA series.
- 适用于高密度表面安装 Suitable for High-Density Surface Mounting.



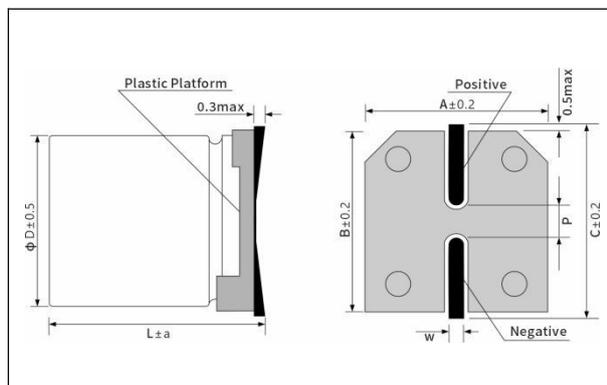
■ 仕样 Specifications

项目 Item	条件 Condition		性能 Performance					
使用温度范围 Operating Temperature Range	-		-55°C~+105°C					
额定电压范围 Rated Voltage Range	-		6.3~50V					
额定静电容量范围 Rated Capacitance Range	-		1~2200μF					
额定静电容量容许差 Capacitance Tolerance	120Hz, 20°C		±20%					
漏电流 Leakage current	施加额定电压 2 分钟后 After applying rated voltage for 2 minutes		I ≤ 0.01CV 或 3μA (以较大值为准) I ≤ 0.01CV or 3μA (whichever is greater)					
额定电压 Rated Voltage(V)	-		6.3	10	16	25	35	50
损失角正切值 Dissipation Factor	120Hz, 20°C (Max.)	tan δ	0.26	0.18	0.16	0.14	0.12	0.10
		对于超过 1000μF 的产品, 每增加 1000μF, 其值便随之增加 0.02 For products exceeding 1000μF, the value increases by 0.02 per additional 1000μF						
温度特性 temperature characteristic	阻抗率 Impedance Ratio(Max.)	$Z_{(-25°C)}/Z_{(+20°C)}$	4	3	2	2	2	2
		$Z_{(-40°C)}/Z_{(+20°C)}$	8	5	4	3	3	3
耐久性 Endurance	在 105°C 下, 连续施加额定电压 5000 小时后(φ4~6.3 为 2000H)满足以下项目 Under 105°C, apply rated voltage for 5000 hours (2000H for φ4~6.3), The capacitors shall meet the following requirements.							
	静电容量变化率 Capacitance Change	初始值的 ±30% 以内 ≤ ±30% of the initial value.						
	损失角正切值 Dissipation Factor	规格值 300% 以下 ≤ 300% of initial specified value.						
	漏电流 Leakage Current	规格值以下 ≤ Initial specified value.						
高温储存 Shelf Life	在 105°C 条件下不施加额定电压 1000 小时后, 电容器应满足与上表耐久性相同标准 After storage for 1000H at 105°C with no voltage applied, the capacitor shall meet the limits same as above endurance table.							

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尺寸图 Dimensions

(Unit: mm)

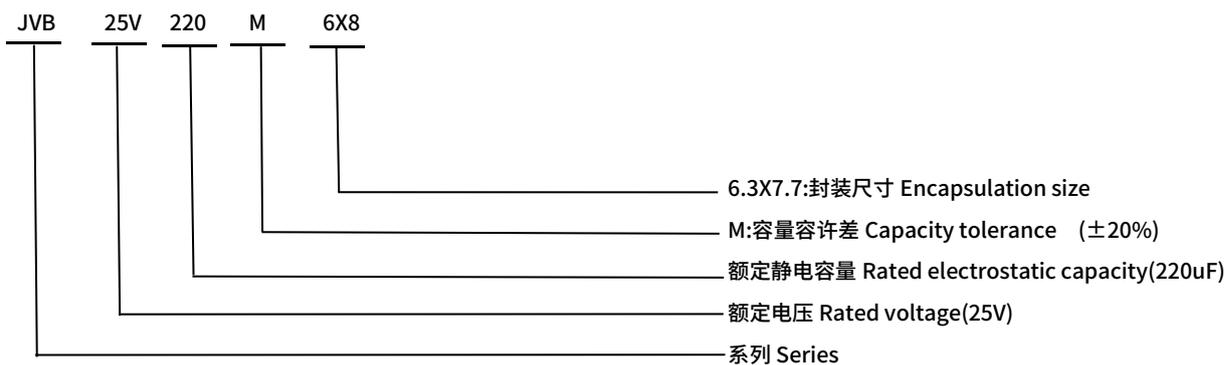


D	L	A	B	C	P	α	W
4	5.7	4.3	4.3	5.0	1.0	± 0.5	0.5-0.8
5	5.7	5.3	5.3	6.0	1.5	± 0.5	0.5-0.8
6.3	5.7	6.6	6.6	7.3	2.0	± 0.5	0.5-0.8
6.3	7.7	6.6	6.6	7.3	2.0	± 0.5	0.5-0.8
8.0	10.5	8.3	8.3	9.0	3.1	± 0.5	0.7-1.2
10.0	10.5	10.3	10.3	11.0	4.7	± 0.5	0.7-1.2
12.5	13.5	13	13	14	4.7	± 1.0	1.0-1.4

纹波电流速查表 Ripple Current Quick Reference Table:

频率 Freq. 容值 Cap.	50Hz	120Hz	1kHz	10kHz	100kHz
Under 100	0.45	0.65	0.85	0.95	1.00
100~2200 μ F	0.50	0.70	0.90	0.95	1.00

品号编码体系 Part Number Coding System (Example: 25V220 μ F)



注释: 型号中 R 表示小数点, 如 4R7 表示 4.7 μ F

Note: "R" in the model number denotes a decimal point (e.g., 4R7 = 4.7 μ F)

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■ 电气特性 Electrical characteristics

额定电压 Rated Voltage(V)	额定静电容量 Rated Capacitance(μ F)	铝壳尺寸 Case Size Φ DXL(mm)	漏电流 Leakage current (μ A,2min)	额定纹波电流 Rated Ripple Current (mA,105 $^{\circ}$ C,100KHz)	阻抗 Impedance (Ω ,100KHz)	损失角 正切值 tan δ	品号 Part Number
6.3	120	4X5.7	7.56	160	1	0.26	JVB6.3V120M4X6
	150	5X5.7	9.45	240	0.36	0.26	JVB6.3V150M5X6
	220	5X5.7	13.86	240	0.36	0.26	JVB6.3V220M5X6
	330	6.3X5.7	20.79	300	0.26	0.26	JVB6.3V330M6X6
	390	6.3X5.7	24.57	300	0.26	0.26	JVB6.3V390M6X6
	470	6.3X5.7	29.61	300	0.26	0.26	JVB6.3V470M6X6
	560	6.3X7.7	35.28	600	0.16	0.26	JVB6.3V560M6X8
	680	6.3X7.7	42.84	600	0.16	0.26	JVB6.3V680M6X8
	820	6.3X7.7	51.66	600	0.16	0.26	JVB6.3V820M6X8
	820	8X10.5	51.66	850	0.08	0.26	JVB6.3V820M8X10
	1000	8X10.5	63	850	0.08	0.26	JVB6.3V1000M8X10
	1200	8X10.5	75.6	850	0.08	0.26	JVB6.3V1200M8X10
	1500	8X10.5	94.5	850	0.08	0.26	JVB6.3V1500M8X10
	1800	10X10.5	113.4	1190	0.06	0.26	JVB6.3V1800M10X10
2200	10X10.5	138.6	1190	0.06	0.26	JVB6.3V2200M10X10	
10	68	4X5.7	6.8	160	1	0.18	JVB10V68M4X6
	100	5X5.7	10	240	0.36	0.18	JVB10V100M5X6
	120	5X5.7	12	240	0.36	0.18	JVB10V120M5X6
	150	5X5.7	15	240	0.36	0.18	JVB10V150M5X6
	220	6.3X5.7	22	300	0.26	0.18	JVB10V220M6X6
	330	6.3X5.7	33	300	0.26	0.18	JVB10V330M6X6
	390	6.3X7.7	39	600	0.16	0.18	JVB10V390M6X8
	470	6.3X7.7	47	600	0.16	0.18	JVB10V470M6X8
	560	6.3X7.7	56	600	0.16	0.18	JVB10V560M6X8
	680	6.3X7.7	68	600	0.16	0.18	JVB10V680M6X8
	680	8X10.5	68	850	0.08	0.18	JVB10V680M8X10
	820	8X10.5	82	850	0.08	0.18	JVB10V820M8X10
	1000	8X10.5	100	850	0.08	0.18	JVB10V1000M8X10
	1200	8X10.5	120	850	0.08	0.18	JVB10V1200M8X10
	1500	10X10.5	150	1190	0.06	0.18	JVB10V1500M10X10
	1800	10X10.5	180	1190	0.06	0.18	JVB10V1800M10X10
2200	10X10.5	220	1190	0.06	0.18	JVB10V2200M10X10	

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电气特性 Electrical characteristic

额定电压 Rated Voltage(V)	额定静电容量 Rated Capacitance(μ F)	铝壳尺寸 Case Size Φ DXL(mm)	漏损电流 Leakage current (μ A,2min)	额定纹波电流 Rated Ripple Current (mA,105 $^{\circ}$ C,100KHz)	阻抗 Impedance (Ω ,100KHz)	损失角 正切值 tan δ	品号 Part Number
16	56	4X5.7	8.96	160	1	0.16	JVB16V56M4X6
	68	5X5.7	10.88	240	0.36	0.16	JVB16V68M5X6
	100	5X5.7	16	240	0.36	0.16	JVB16V100M5X6
	120	6.3X5.7	19.2	300	0.26	0.16	JVB16V120M6X6
	150	6.3X5.7	24	300	0.26	0.16	JVB16V150M6X6
	220	6.3X5.7	35.2	300	0.26	0.16	JVB16V220M6X6
	330	6.3X7.7	52.8	600	0.16	0.16	JVB16V330M6X8
	390	6.3X7.7	62.4	600	0.16	0.16	JVB16V390M6X8
	470	6.3X7.7	75.2	600	0.16	0.16	JVB16V470M6X8
	470	8X10.5	75.2	850	0.08	0.16	JVB16V470M8X10
	560	8X10.5	89.6	850	0.08	0.16	JVB16V560M8X10
	680	8X10.5	108.8	850	0.08	0.16	JVB16V680M8X10
	820	8X10.5	131.2	850	0.08	0.16	JVB16V820M8X10
	1000	10X10.5	160	1190	0.06	0.16	JVB16V1000M10X10
	1200	10X10.5	192	1190	0.06	0.16	JVB16V1200M10X10
1500	10X10.5	240	1190	0.06	0.16	JVB16V1500M10X10	
25	39	4X5.7	9.75	160	1	0.14	JVB25V39M4X6
	47	5X5.7	11.75	240	0.36	0.14	JVB25V47M5X6
	56	5X5.7	14	240	0.36	0.14	JVB25V56M5X6
	68	5X5.7	17	240	0.36	0.14	JVB25V68M5X6
	100	6.3X5.7	25	300	0.26	0.14	JVB25V100M6X6
	120	6.3X5.7	30	300	0.26	0.14	JVB25V120M6X6
	150	6.3X7.7	37.5	600	0.16	0.14	JVB25V150M6X8
	220	6.3X7.7	55	600	0.16	0.14	JVB25V220M6X8
	330	6.3X7.7	82.5	600	0.16	0.14	JVB25V330M6X8
	330	8X10.5	82.5	850	0.08	0.14	JVB25V330M8X10
	390	8X10.5	97.5	850	0.08	0.14	JVB25V390M8X10
	470	8X10.5	117.5	850	0.08	0.14	JVB25V470M8X10
	560	10X10.5	140	1190	0.06	0.14	JVB25V560M10X10
	680	10X10.5	170	1190	0.06	0.14	JVB25V680M10X10
	820	10X10.5	205	1190	0.06	0.14	JVB25V820M10X10
1000	10X10.5	250	1190	0.06	0.14	JVB25V1000M10X10	

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额定电压 Rated Voltage(V)	额定静电容量 Rated Capacitance(μ F)	铝壳尺寸 Case Size Φ DXL(mm)	漏损电流 Leakage current (μ A,2min)	额定纹波电流 Rated Ripple Current (mA,105°C,100KHz)	阻抗 Impedance (Ω ,100KHz)	损失角 正切值 tan δ	品号 Part Number
35	22	4X5.7	7.7	160	1	0.12	JVB35V22M4X6
	33	5X5.7	11.55	240	0.36	0.12	JVB35V33M5X6
	39	5X5.7	13.65	240	0.36	0.12	JVB35V39M5X6
	47	5X5.7	16.45	240	0.36	0.12	JVB35V47M5X6
	56	6.3X5.7	19.6	300	0.26	0.12	JVB35V56M6X6
	68	6.3X5.7	23.8	300	0.26	0.12	JVB35V68M6X6
	100	6.3X5.7	35	300	0.26	0.12	JVB35V100M6X6
	120	6.3X7.7	42	600	0.16	0.12	JVB35V120M6X8
	150	6.3X7.7	52.5	600	0.16	0.12	JVB35V150M6X8
	220	6.3X7.7	77	600	0.16	0.12	JVB35V220M6X8
	220	8X10.5	77	850	0.08	0.12	JVB35V220M8X10
	330	8X10.5	115.5	850	0.08	0.12	JVB35V330M8X10
	390	8X10.5	136.5	850	0.08	0.12	JVB35V390M8X10
	470	8X10.5	164.5	850	0.08	0.12	JVB35V470M8X10
	470	10X10.5	164.5	1190	0.06	0.12	JVB35V470M10X10
	560	10X10.5	196	1190	0.06	0.12	JVB35V560M10X10
680	10X10.5	238	1190	0.06	0.12	JVB35V680M10X10	
50	10	4X5.7	5	85	2.3	0.10	JVB50V10M4X6
	10	5X5.7	5	165	0.88	0.10	JVB50V10M5X6
	22	5X5.7	11	165	0.88	0.10	JVB50V22M5X6
	33	6.3X5.7	16.5	195	0.68	0.10	JVB50V33M6X6
	39	6.3X5.7	19.5	195	0.68	0.10	JVB50V39M6X6
	47	6.3X5.7	23.5	195	0.68	0.10	JVB50V47M6X6
	56	6.3X7.7	28	350	0.34	0.10	JVB50V56M6X8
	68	6.3X7.7	34	350	0.34	0.10	JVB50V68M6X8
	100	6.3X7.7	50	350	0.34	0.10	JVB50V100M6X8
	120	8X10.5	60	670	0.18	0.10	JVB50V120M8X10
	150	8X10.5	75	670	0.18	0.10	JVB50V150M8X10
	220	8X10.5	110	670	0.18	0.10	JVB50V220M8X10
	330	10X10.5	165	900	0.12	0.10	JVB50V330M10X10