

# JVJ series

## ■ 特性 Features

- 105°C2000H 标准品 105°C2000H standard
- 适用于高密度表面安装 Suitable for High-Density Surface Mounting
- 高稳定性和可靠性 High Stability and Reliability



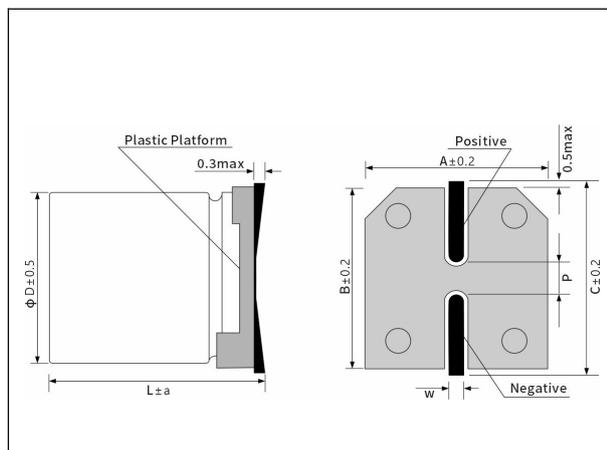
## ■ 仕样 Specifications

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	-		6.3~100V							
额定静容量范围 Rated Capacitance Range	-		1~2200μF							
额定静容量容许差 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	63	100
损失角正切值 Dissipation Factor	120Hz, 20°C (Max.)	tan δ	0.30	0.24	0.20	0.18	0.16	0.14	0.14	0.14
		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 Characteristics	阻抗率 Impedance Ratio(Max.)	$Z_{(-25^{\circ}\text{C})}/Z_{(+20^{\circ}\text{C})}$	5	4	3	2	2	2	2	2
		$Z_{(-40^{\circ}\text{C})}/Z_{(+20^{\circ}\text{C})}$	10	8	6	4	3	3	3	3
耐久性 Endurance	在 105°C 下, 连续施加额定电压 2000 小时后, 满足以下项目 Under 105°C, apply rated voltage for 2000 hours, The capacitors shall meet the following requirements.									
	静容量变化率 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)

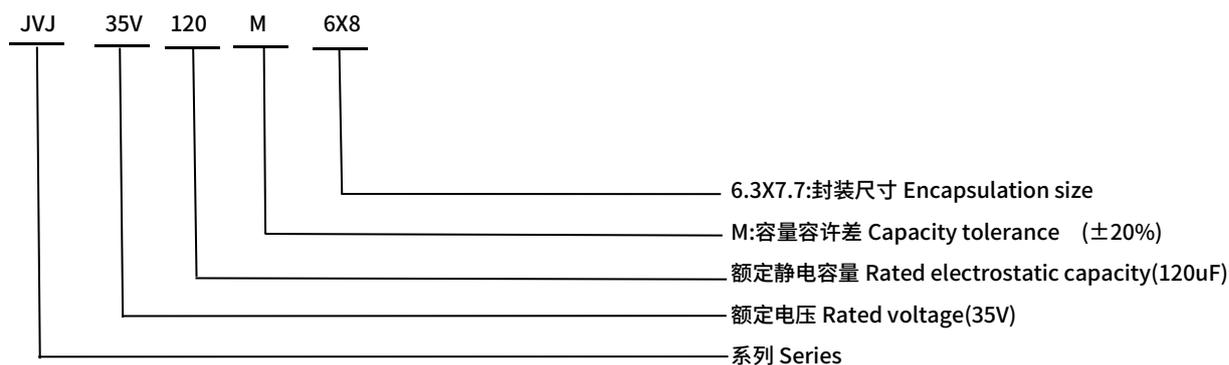


D	L	A	B	C	P	$\alpha$	W
4	5.7	4.3	4.3	5.0	1.0	$\pm 0.5$	0.5-0.8
5	5.4	5.3	5.3	6.0	1.5	$\pm 0.5$	0.5-0.8
5	5.7	5.3	5.3	6.0	1.5	$\pm 0.5$	0.5-0.8
6.3	5.7	6.6	6.6	7.3	2.0	$\pm 0.5$	0.5-0.8
6.3	7.7	6.6	6.6	7.3	2.0	$\pm 0.5$	0.5-0.8
8.0	10.5	8.3	8.3	9.0	3.1	$\pm 0.5$	0.7-1.2
10.0	10.5	10.3	10.3	11.0	4.7	$\pm 0.5$	0.7-1.2
12.5	13.5	13	13	14	4.7	$\pm 1.0$	1.0-1.4
16	16.5	17	17	18	6.4	$\pm 1.0$	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 up
Under 100	0.70	1.00	1.35	1.50
100~2200 $\mu\text{F}$	0.80	1.00	1.20	1.30

## 品号编码体系 Part Number Coding System (Example: 35V120 $\mu\text{F}$ )



注释: 型号中 R 表示小数点, 如 4R7 表示 4.7 $\mu\text{F}$

Note: "R" in the model number denotes a decimal point (e.g., 4R7 = 4.7 $\mu\text{F}$ )

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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( $\mu$ F)	铝壳尺寸 Case Size $\Phi$ DXL(mm)	额定纹波电流 Rated Ripple Current (mA,105°C,120Hz)	损失角正切值 $\tan \delta$	品号 Part Number
6.3	47	4X5.7	25	0.3	JVJ6.3V47M4X6
	100	5X5.7	39	0.3	JVJ6.3V100M5X6
	220	6.3X5.7	67	0.3	JVJ6.3V220M6X6
	330	6.3X7.7	105	0.3	JVJ6.3V330M6X8
	1000	8X10.5	230	0.3	JVJ6.3V1000M8X10
10	22	4X5.7	20	0.24	JVJ10V22M4X6
	22	5X5.7	25	0.24	JVJ10V22M5X6
	33	4X5.7	22	0.24	JVJ10V33M4X6
	33	5X5.7	30	0.24	JVJ10V33M5X6
	47	4X5.7	25	0.24	JVJ10V47M4X6
	47	5X5.7	30	0.24	JVJ10V47M5X6
	68	5X5.7	40	0.24	JVJ10V68M5X6
	100	5X5.4	45	0.24	JVJ10V100M5X5
10	100	6.3X5.7	53	0.24	JVJ10V100M6X6
	150	6.3X5.7	62	0.24	JVJ10V150M6X6
	220	6.3X5.4	70	0.24	JVJ10V220M6X5
	220	6.3X7.7	105	0.24	JVJ10V220M6X8
	330	6.3X7.7	130	0.24	JVJ10V330M6X8
	470	6.3X7.7	150	0.24	JVJ10V470M6X8
	470	8X10.5	210	0.24	JVJ10V470M8X10
	680	8X10.5	240	0.24	JVJ10V680M8X10
	680	10X10.5	270	0.24	JVJ10V680M10X10
	1000	8X10.5	260	0.24	JVJ10V1000M8X10
	1000	10X10.5	315	0.24	JVJ10V1000M10X10
	1500	10X12.5	460	0.24	JVJ10V1500M10X12
16	10	4X5.7	18	0.20	JVJ16V10M4X6
	22	4X5.4	20	0.20	JVJ16V22M4X5
	22	5X5.7	27	0.20	JVJ16V22M5X6
	33	4X5.7	22	0.20	JVJ16V33M4X6
	33	5X5.7	28	0.20	JVJ16V33M5X6
	47	5X5.4	31	0.20	JVJ16V47M5X5
	47	6.3X5.7	48	0.20	JVJ16V47M6X6
	68	5X5.7	31	0.20	JVJ16V68M5X6

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额定电压 Rated Voltage(V)	额定静电容量 Rated Capacitance( $\mu$ F)	铝壳尺寸 Case Size $\Phi$ DXL(mm)	额定纹波电流 Rated Ripple Current (mA,105°C,120Hz)	损失角正切值 tan $\delta$	品号 Part Number
16	68	6.3X5.7	48	0.20	JVJ16V68M6X6
	100	6.3X5.4	60	0.20	JVJ16V100M6X5
	150	6.3X5.7	65	0.20	JVJ16V150M6X6
	150	6.3X7.7	95	0.20	JVJ16V150M6X8
	220	6.3X7.7	110	0.20	JVJ16V220M6X8
	330	6.3X7.7	120	0.20	JVJ16V330M6X8
	330	8X10.5	195	0.20	JVJ16V330M8X10
	470	6.3X7.7	230	0.20	JVJ16V470M6X8
	470	8X10.5	230	0.20	JVJ16V470M8X10
	680	8X10.5	255	0.20	JVJ16V680M8X10
	680	10X10.5	315	0.20	JVJ16V680M10X10
	1000	10X10.5	330	0.20	JVJ16V1000M10X10
	1000	10X12.5	390	0.20	JVJ16V1000M10X12
25	4.7	4X5.7	13	0.18	JVJ25V4R7M4X6
	6.8	4X5.7	14	0.18	JVJ25V6R8M4X6
	10	4X5.7	14	0.18	JVJ25V10M4X6
	10	5X5.7	20	0.18	JVJ25V10M4X6
	22	4X5.7	19	0.18	JVJ25V22M4X6
	22	5X5.4	25	0.18	JVJ25V22M5X5
	33	4X5.7	22	0.18	JVJ25V33M4X6
	33	5X5.7	29	0.18	JVJ25V33M5X6
	47	5X5.4	35	0.18	JVJ25V47M5X5
	47	6.3X5.7	48	0.18	JVJ25V47M6X6
	68	6.3X5.7	48	0.18	JVJ25V68M6X6
	100	6.3X5.4	72	0.18	JVJ25V100M6X5
	100	6.3X7.7	91	0.18	JVJ25V100M6X8
	150	6.3X7.7	100	0.18	JVJ25V150M6X8
	180	6.3X7.7	120	0.18	JVJ25V180M6X8
	220	6.3X7.7	120	0.18	JVJ25V220M6X8
	220	8X10.5	175	0.18	JVJ25V220M8X10
	330	6.3X7.7	220	0.18	JVJ25V330M6X8
	330	8X10.5	220	0.18	JVJ25V330M8X10
	330	10X10.5	240	0.18	JVJ25V330M10X10
470	8X10.5	240	0.18	JVJ25V470M8X10	
470	10X10.5	280	0.18	JVJ25V470M10X10	

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额定电压 Rated Voltage(V)	额定静电容量 Rated Capacitance( $\mu$ F)	铝壳尺寸 Case Size $\Phi$ DXL(mm)	额定纹波电流 Rated Ripple Current (mA,105°C,120Hz)	损失角正切值 tan $\delta$	品号 Part Number
25	680	10X10.5	350	0.18	JVJ25V680M10X10
	1000	10X12.5	400	0.18	JVJ25V1000M10X12
	2200	16X16.5	900	0.18	JVJ25V2200M16X16
35	3.3	4X5.7	13	0.16	JVJ35V3R3M4X6
	4.7	4X5.7	14	0.16	JVJ35V4R7M4X6
	6.8	4X5.7	14	0.16	JVJ35V6R8M4X6
	10	4X5.4	14	0.16	JVJ35V10M4X5
	10	5X5.7	21	0.16	JVJ35V10M5X6
	22	5X5.7	30	0.16	JVJ35V22M5X6
	22	6.3X5.7	38	0.16	JVJ35V22M6X6
	33	5X5.7	34	0.16	JVJ35V33M5X6
	33	6.3X5.7	42	0.16	JVJ35V33M6X6
	47	6.3X5.7	50	0.16	JVJ35V47M6X6
	47	6.3X7.7	70	0.16	JVJ35V47M6X8
	68	6.3X5.7	50	0.16	JVJ35V68M6X6
	68	6.3X7.7	70	0.16	JVJ35V68M6X8
	100	6.3X7.7	84	0.16	JVJ35V100M6X8
	100	8X10.5	120	0.16	JVJ35V100M8X10
	120	6.3X7.7	95	0.16	JVJ35V120M6X8
	150	6.3X7.7	95	0.16	JVJ35V150M6X8
	150	8X10.5	155	0.16	JVJ35V150M8X10
	220	6.3X7.7	190	0.16	JVJ35V220M6X8
	220	8X10.5	190	0.16	JVJ35V220M8X10
	220	10X10.5	220	0.16	JVJ35V220M10X10
330	8X10.5	225	0.16	JVJ35V330M8X10	
330	10X10.5	245	0.16	JVJ35V330M10X10	
470	10X10.5	320	0.16	JVJ35V470M10X10	
470	10X12.5	375	0.16	JVJ35V470M10X12	
560	10X10.5	350	0.16	JVJ35V560M10X10	
50	1.0	4X5.7	7	0.14	JVJ50V1R0M4X6
	2.2	4X5.7	11	0.14	JVJ50V2R2M4X6
	3.3	4X5.7	13	0.14	JVJ50V3R3M4X6
	4.7	4X5.7	13	0.14	JVJ50V4R7M4X6
	4.7	5X5.7	16	0.14	JVJ50V4R7M5X6
	6.8	4X5.7	14	0.14	JVJ50V6R8M4X6

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额定电压 Rated Voltage(V)	额定静容量 Rated Capacitance( $\mu$ F)	铝壳尺寸 Case Size $\Phi$ DXL(mm)	额定纹波电流 Rated Ripple Current (mA,105°C,120Hz)	损失角正切值 tan $\delta$	品号 Part Number
50	6.8	5X5.7	17	0.14	JVJ50V6R8M5X6
	10	5X5.4	18	0.14	JVJ50V10M5X5
	10	6.3X5.7	24	0.14	JVJ50V10M6X6
	22	6.3X5.4	42	0.14	JVJ50V22M6X5
	22	6.3X7.7	51	0.14	JVJ50V22M6X8
	33	6.3X5.7	45	0.14	JVJ50V33M6X6
	33	6.3X7.7	60	0.14	JVJ50V33M6X8
	47	6.3X5.7	54	0.14	JVJ50V47M6X6
	47	6.3X7.7	63	0.14	JVJ50V47M6X8
	68	6.3X7.7	63	0.14	JVJ50V68M6X8
	68	8X10.5	120	0.14	JVJ50V68M8X10
	100	6.3X7.7	140	0.14	JVJ50V100M6X8
	100	8X10.5	140	0.14	JVJ50V100M8X10
	150	8X10.5	155	0.14	JVJ50V150M8X10
	150	10X10.5	170	0.14	JVJ50V150M10X10
	220	10X10.5	220	0.14	JVJ50V220M10X10
	330	10X10.5	220	0.14	JVJ50V330M10X10
470	12.5X13.5	220	0.14	JVJ50V470M12X13	
63	2.2	4X5.7	11	0.14	JVJ63V2R2M4X6
	3.3	5X5.7	13	0.14	JVJ63V3R3M5X6
	4.7	5X5.7	16	0.14	JVJ63V4R7M5X6
	6.8	5X5.7	17	0.14	JVJ63V6R8M5X6
	10	5X5.7	19	0.14	JVJ63V10M5X6
	10	6.3X5.7	24	0.14	JVJ63V10M6X6
	22	6.3X5.7	40	0.14	JVJ63V22M6X6
	22	6.3X7.7	49	0.14	JVJ63V22M6X8
	33	6.3X7.7	53	0.14	JVJ63V33M6X8
	33	8X10.5	112	0.14	JVJ63V33M8X10
	47	6.3X7.7	75	0.14	JVJ63V47M6X8
	47	8X10.5	119	0.14	JVJ63V47M8X10
	68	8X10.5	125	0.14	JVJ63V68M8X10
	100	8X10.5	135	0.14	JVJ63V100M8X10
	100	10X10.5	195	0.14	JVJ63V100M10X10
	150	10X10.5	205	0.14	JVJ63V150M10X10
	150	10X12.5	225	0.14	JVJ63V150M10X12

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额定电压 Rated Voltage(V)	额定静容量 Rated Capacitance( $\mu$ F)	铝壳尺寸 Case Size $\Phi$ DXL(mm)	额定纹波电流 Rated Ripple Current (mA,105°C,120Hz)	损失角正切值 tan $\delta$	品号 Part Number
63	220	10X10.5	225	0.14	JVJ63V220M10X10
80	100	10X10.5	135	0.14	JVJ80V100M10X10
100	2.2	4X5.7	9	0.14	JVJ100V2R2M4X6
	2.2	5X5.8	11	0.14	JVJ100V2R2M5X6
	3.3	5X5.8	14	0.14	JVJ100V3R3M5X6
	4.7	5X5.8	16	0.14	JVJ100V4R7M5X6
	4.7	6.3X5.7	21	0.14	JVJ100V4R7M6X6
	6.8	6.3X5.7	21	0.14	JVJ100V6R8M6X6
	10	6.3X5.7	35	0.14	JVJ100V10M6X6
	10	6.3X7.7	50	0.14	JVJ100V10M6X8
	22	6.3X7.7	60	0.14	JVJ100V22M6X8
	22	8X10.5	84	0.14	JVJ100V22M8X10
	33	8X10.5	90	0.14	JVJ100V33M8X10
	33	10X10.5	133	0.14	JVJ100V33M10X10
	47	10X10.5	140	0.14	JVJ100V47M10X10
	68	10X10.5	155	0.14	JVJ100V68M10X10
	68	10X12.5	180	0.14	JVJ100V68M10X12
100	12.5X13.5	380	0.14	JVJ100V100M12X13	