

# JVS series



## ■ 特性 Features

- 4.5~5.5mmL, 105°C1000H
- 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

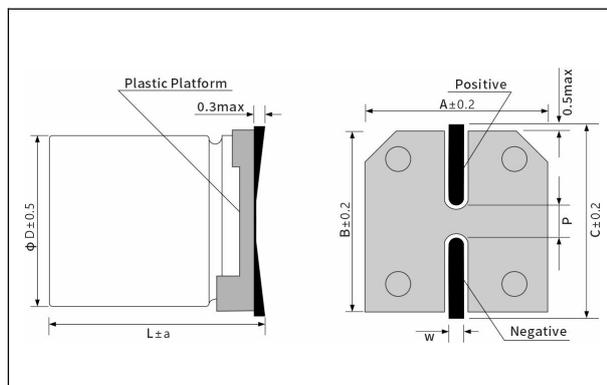
## ■ 仕样 Specifications

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	-		6.3~50V					
额定静电容量范围 Rated Capacitance Range	-		1.0~100μF					
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	0.30	0.24	0.20	0.18	0.16	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.)	$Z_{(-25^{\circ}\text{C})}/Z_{(+20^{\circ}\text{C})}$	4	3	2	2	2	2
		$Z_{(-40^{\circ}\text{C})}/Z_{(+20^{\circ}\text{C})}$	8	5	4	3	3	3
耐久性 Endurance	在 105°C 下, 连续施加额定电压 1000 小时后, 满足以下项目 Under 105°C, apply rated voltage for 1000 hours, 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.							

# JVS series

## 尺寸图 Dimensions

(Unit: mm)

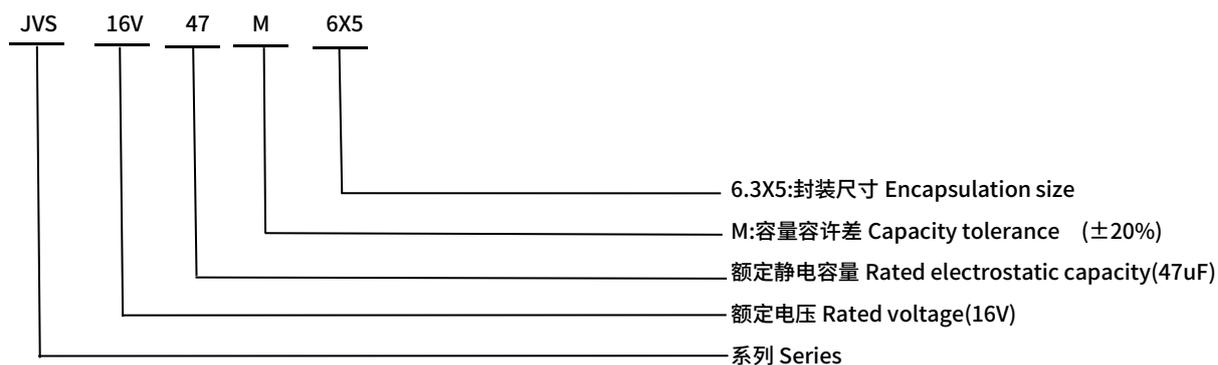


D	L	A	B	C	P	$\alpha$	W
4	4.5	4.3	4.3	5.0	1.0	$\pm 0.5$	0.5-0.8
4	5.5	4.3	4.3	5.0	1.0	$\pm 0.5$	0.5-0.8
5	4.5	5.3	5.3	6.0	1.5	$\pm 0.5$	0.5-0.8
5	5.5	5.3	5.3	6.0	1.5	$\pm 0.5$	0.5-0.8
6.3	4.5	6.6	6.6	7.3	2.0	$\pm 0.5$	0.5-0.8
6.3	5.5	6.6	6.6	7.3	2.0	$\pm 0.5$	0.5-0.8

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

频率 Freq.	50Hz	120Hz	1KHz	10KHz up
容值 Cap.				
Under 100	0.70	1.00	1.30	1.40

## 品号编码体系 Part Number Coding System (Example: 16V 47 $\mu$ F)



注释: 型号中 R 表示小数点, 如 4R7 表示 4.7 $\mu$ F

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

# JVS series

## ■ 电气特性 Electrical characteristics

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 $^{\circ}$ C,120Hz)	损失角正切值 tan $\delta$	品号 Part Number
6.3	22	4X4.5	19	0.30	JVS6.3V22M4X4
	22	4X5.5	21	0.30	JVS6.3V22M4X5
	33	5X4.5	26	0.30	JVS6.3V33M5X4
	33	5X5.5	30	0.30	JVS6.3V33M5X5
	47	5X4.5	32	0.30	JVS6.3V47M5X4
	47	5X5.5	36	0.30	JVS6.3V47M5X5
	100	6.3X4.5	52	0.30	JVS6.3V100M6X4
	100	6.3X5.5	61	0.30	JVS6.3V100M6X5
	150	6.3X5.5	70	0.30	JVS6.3V150M6X5
	220	6.3X4.5	56	0.30	JVS6.3V220M6X4
220	6.3X5.5	82	0.30	JVS6.3V220M6X5	
10	22	5X4.5	24	0.54	JVS10V22M5X4
	22	5X5.5	25	0.54	JVS10V22M5X5
	33	5X4.5	30	0.54	JVS10V33M5X4
	33	5X5.5	31	0.24	JVS10V33M5X5
	47	6.3X4.5	40	0.24	JVS10V47M6X4
	47	6.3X5.5	43	0.24	JVS10V47M6X5
	100	5X4.5	56	0.24	JVS10V100M5X4
	100	6.3X5.5	65	0.24	JVS10V100M6X5
	150	6.3X5.5	72	0.24	JVS10V150M6X5
	220	6.3X4.5	60	0.24	JVS10V220M6X4
16	10	4X4.5	16	0.20	JVS16V10M4X4
	10	4X5.5	16	0.20	JVS16V10M4X5
	22	5X4.5	26	0.20	JVS16V22M5X4
	22	5X5.5	28	0.20	JVS16V22M5X5
	33	6.3X4.5	35	0.20	JVS16V33M6X4
	33	6.3X5.5	40	0.20	JVS16V33M6X5
	47	5X4.5	36	0.20	JVS16V47M5X4
	47	6.3X5.5	47	0.20	JVS16V47M6X5
	100	5X5.7	58	0.20	JVS16V100M5X6
	100	6.3X4.5	58	0.20	JVS16V100M6X4
25	4.7	4X4.5	11	0.18	JVS25V4R7M4X4
	4.7	4X5.5	12	0.18	JVS25V4R7M4X4

# JVS series

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
25	10	5X4.5	20	0.18	JVS25V10M5X4
	10	5X5.5	21	0.18	JVS25V10M5X5
	22	5X4.5	26	0.18	JVS25V22M5X4
	22	6.3X5.5	36	0.18	JVS25V22M6X5
	33	6.3X4.5	42	0.18	JVS25V33M6X4
	33	6.3X5.5	44	0.18	JVS25V33M6X5
	47	6.3X4.5	46	0.18	JVS25V47M6X4
	47	6.3X5.5	60	0.18	JVS25V47M6X5
	100	6.3X4.5	54	0.18	JVS25V100M6X4
35	4.7	4X4.5	13	0.16	JVS35V4R7M4X4
	4.7	4X5.5	14	0.16	JVS35V4R7M4X5
	10	5X4.5	22	0.16	JVS35V10M5X4
	10	5X5.5	23	0.16	JVS35V10M5X5
	22	6.3X4.5	36	0.16	JVS35V22M6X4
	22	6.3X5.5	50	0.16	JVS35V22M6X5
	33	6.3X4.5	45	0.16	JVS35V33M6X4
	33	6.3X5.5	50	0.16	JVS35V33M6X5
	47	6.3X4.5	50	0.16	JVS35V47M6X4
	47	6.3X5.5	50	0.16	JVS35V47M6X5
50	1	4X4.5	5.4	0.14	JVS50V1M4X4
	1	4X5.5	7	0.14	JVS50V1M4X5
	2.5	4X4.5	9.6	0.14	JVS50V2R2M4X4
	2.5	4X5.5	10	0.14	JVS50V2R2M4X5
	3.3	4X4.5	12	0.14	JVS50V3R3M4X4
	3.3	4X5.5	12	0.14	JVS50V3R3M4X5
	4.7	5X4.5	16	0.14	JVS50V4R7M5X4
	4.7	5X5.5	17	0.14	JVS50V4R7M5X5
	10	6.3X4.5	26	0.14	JVS50V10M6X4
	10	6.3X4.5	51	0.14	JVS50V10M6X4