

JVH series

■ 特性 Features

- 125°C1000~2000H
- 低阻抗高纹波 Low impedance and high ripple
- 适用于高密度表面安装 Suitable for High-Density Surface Mounting



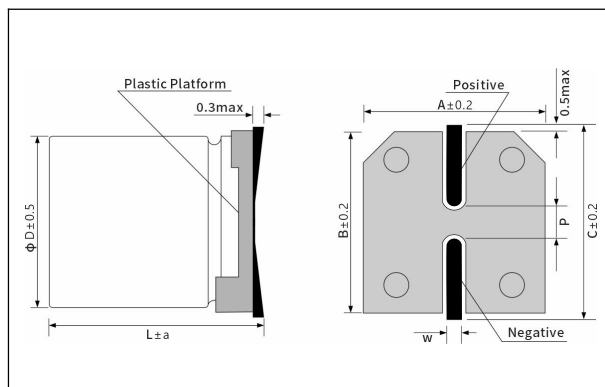
■ 仕様 Specifications

项目 Item	条件 Condition		性能 Performance							
使用温度范围 Operating Temperature Range	-		-55°C~+125°C							
额定电压范围 Rated Voltage Range	-		6.3~100V							
额定静容量范围 Rated Capacitance Range	-		10~470μF							
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)	-		10	16	25	35	50	63	80	100
损耗角正切值 Dissipation Factor	120Hz,20°C (Max.)	tan δ	0.24	0.20	0.16	0.14	0.14	0.12	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.)	$Z_{(-25^{\circ}\text{C})}/Z_{(+20^{\circ}\text{C})}$	3	2	2	2	2	2	2	2
		$Z_{(-40^{\circ}\text{C})}/Z_{(+20^{\circ}\text{C})}$	6	4	4	3	3	3	3	3
耐久性 Endurance	在 125°C下, 连续施加额定电压 2000 小时后(φ6.3 为 1000H)满足以下项目 Under 125°C, apply rated voltage for 2000 hours (1000H forφ6.3), The capacitors shall meet the following requirements.									
	静容量变化率 Capacitance Change Rate		初始值的±30%以内 ≤±30% of the initial value.							
	损耗角正切值 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 125°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))

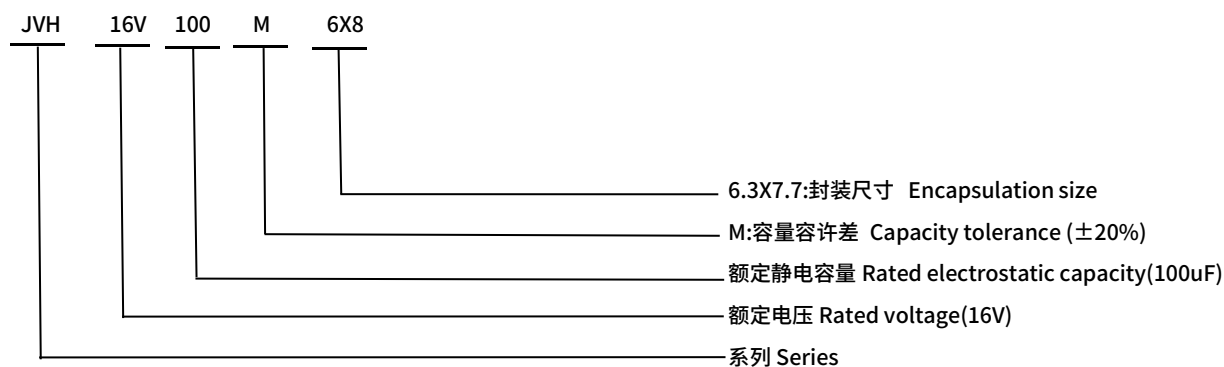


D	L	A	B	C	P	α	W
6.3	5.7	6.6	6.6	7.3	2.0	± 0.5	0.5-0.8
6.3	7.7	6.6	6.6	7.3	2.0	± 0.5	0.5-0.8
8	10.5	8.3	8.3	9.0	3.1	± 0.5	0.7-1.2
10	10.5	10.3	10.3	11.0	4.7	± 0.5	0.7-1.2

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

频率 Freq. 容值 Cap.	50Hz	120Hz	1kHz	10kHz	100kHz
Under 10	0.46	0.66	0.86	0.93	1.00
22~470 μ F	0.72	0.93	0.97	1.00	1.00

品号编码体系 Part Number Coding System (Example: 16V100 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)	额定静容量 Rated Capacitance(μ F)	铝壳尺寸 Case Size Φ DXL(mm)	阻抗 Impedance (Ω ,20 $^{\circ}$ C,100KHz)	额定纹波电流 Rated Ripple Current (mA,125 $^{\circ}$ C,100KHz)	损失角正切值 tan δ	品号 Part Number
10	100	6.3X7.7	0.9	110	0.24	JVH10V100M6X8
	220	6.3X7.7	0.9	110	0.24	JVH10V220M6X8
	220	8X10.5	0.4	220	0.24	JVH10V220M8X10
	330	8X10.5	0.4	220	0.24	JVH10V330M8X10
	330	10X10.5	0.3	295	0.24	JVH10V330M6X8
	470	10X10.5	0.3	295	0.24	JVH10V100M6X8
16	47	6.3X5.7	1.6	69	0.20	JVH16V47M6X6
	100	6.3X7.7	0.9	110	0.20	JVH16V100M6X8
	220	8X10.5	0.4	220	0.20	JVH16V220M8X10
	220	10X10.5	0.3	295	0.20	JVH16V220M10X10
	330	10X10.5	0.3	295	0.20	JVH16V330M10X10
25	33	6.3X5.7	1.6	69	0.16	JVH25V33M6X6
	47	6.3X7.7	0.9	110	0.16	JVH25V47M6X8
	100	6.3X7.7	0.9	110	0.16	JVH25V100M6X8
	100	8X10.5	0.4	220	0.16	JVH25V100M8X10
	220	8X10.5	0.4	220	0.16	JVH25V220M8X10
	220	10X10.5	0.3	295	0.16	JVH25V220M10X10
	330	10X10.5	0.3	295	0.16	JVH25V330M10X10
35	10	6.3X5.7	1.6	69	0.14	JVH35V10M6X6
	22	6.3X5.7	1.6	69	0.14	JVH35V22M6X6
	33	6.3X7.7	0.9	110	0.14	JVH35V33M6X8
	47	6.3X7.7	0.9	110	0.14	JVH35V47M6X8
	100	8X10.5	0.4	220	0.14	JVH35V100M8X10
	100	10X10.5	0.3	295	0.14	JVH35V100M10X10
	220	10X10.5	0.3	295	0.14	JVH35V220M10X10
50	10	6.3X5.7	2.8	51	0.14	JVH50V10M6X6
	22	6.3X7.7	2.0	83	0.14	JVH50V22M6X8
	33	6.3X7.7	2.0	83	0.14	JVH50V33M6X8
	33	8X10.5	0.7	110	0.14	JVH50V33M8X10
	47	8X10.5	0.7	110	0.14	JVH50V47M8X10
	100	10X10.5	0.5	245	0.14	JVH50V100M10X10
	220	12.5X13.5	0.25	350	0.14	JVH50V220M12X13
63	10	6.3X7.7	2.0	60	0.12	JVH63V10M6X8

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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)	阻抗 Impedance (Ω ,20 $^{\circ}$ C,100KHz)	额定纹波电流 Rated Ripple Current (mA,125 $^{\circ}$ C,100KHz)	损失角正切值 tan δ	品号 Part Number
63	22	8X10.5	0.7	100	0.12	JVH63V22M8X10
	33	8X10.5	0.7	100	0.12	JVH63V33M8X10
	33	10X10.5	0.5	170	0.12	JVH63V33M10X10
	47	8X10.5	0.7	100	0.12	JVH63V47M8X10
	47	10X10.5	0.5	170	0.12	JVH63V47M10X10
80	10	8X10.5	0.75	70	0.12	JVH80V10M8X10
	22	8X10.5	0.75	70	0.12	JVH80V22M8X10
	22	10X10.5	0.55	115	0.12	JVH80V22M10X10
	33	8X10.5	0.75	70	0.12	JVH80V33M8X10
	33	10X10.5	0.55	115	0.12	JVH80V33M10X10
	47	10X10.5	0.55	115	0.12	JVH80V47M10X10
100	10	8X10.5	0.75	70	0.1	JVH100V10M8X10
	22	8X10.5	0.75	70	0.1	JVH100V22M8X10
	22	10X10.5	0.55	115	0.1	JVH100V22M10X10
	33	10X10.5	0.55	115	0.1	JVH100V33M10X10