JVE series

■ 特性 Features

- 105°C2000~3000H，低阻品 Low impedance.
- 适用于高密度表面安装 Suitable for high-density surface installation.
- 通过降低高频范围内的 ESR，实现了高纹波电流 By reducing ESR in the high-frequency range, high ripple current has been achieved.

■ 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							
额定静电容量范围 Rated Capacitance Range	-		1.0~1500μF							
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	63	100
损失角正切值 Dissipation Factor	120Hz,20°C (Max.)	tan δ	0.26	0.20	0.16	0.14	0.12	0.12	0.12	0.08
		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.)	$Z_{(-25°C)}/Z_{(+20°C)}$	4	3	2	2	2	2	2	2
		$Z_{(-40°C)}/Z_{(+20°C)}$	8	5	4	3	3	3	3	3
耐久性 Endurance	在 105°C下，连续施加额定电压 3000 小时后(φ4~6.3 为 2000H)，满足以下项目 Under 105°C, apply rated voltage for 3000 hours(2000H forφ4~6.3) , 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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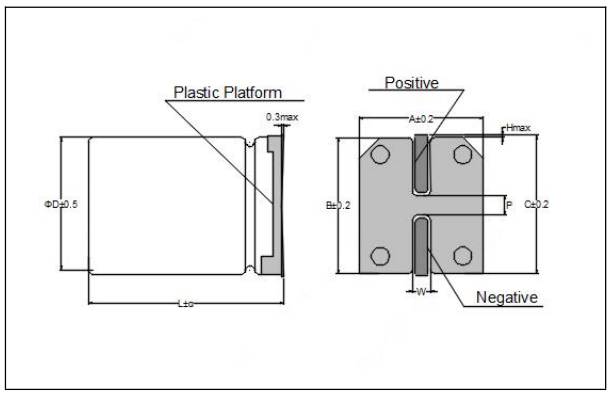
■ 尺寸图 Dimensions

(Unit：mm)

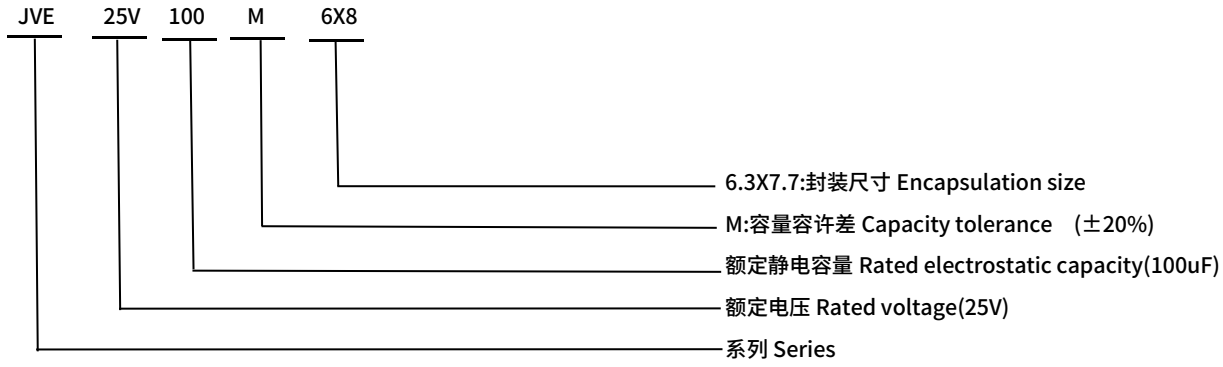


D	L	A	B	C	P	α	W
4	5.7	4.3	4.3	5.0	1.0	±0.3	0.5-0.8
5	5.7	5.3	5.3	6.0	1.5	±0.3	0.5-0.8
6.3	5.7	6.6	6.6	7.3	2.0	±0.3	0.5-0.8
6.3	7.7	6.6	6.6	7.3	2.0	±0.3	0.5-0.8
8.0	10.5	8.3	8.3	9.0	3.1	±0.5	0.7-1.2
10.0	10.5	10.3	10.3	11.0	4.7	±0.5	0.7-1.2

■ 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	0.35	0.50	0.70	0.90	1.00
100~2200μF	0.40	0.65	0.85	0.95	1.00

■ 品号编码体系 Part Number Coding System（Example：25V100μF）



注释：型号中 R 表示小数点，如 4R7 表示 4.7μF

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

JVE series

■ 电气特性 Electrical characteristics

额定电压 Rated Voltage(V)	额定静电容量 Rated Capacitance(μF)	铝壳尺寸 Case Size Φ DXL(mm)	阻抗 Impedance (Ω,20℃,100KHz)	额定纹波电流 Rated Ripple Current (mA,105℃,100KHz)	损失角正切值 tan δ	品号 Part Number
6.3	47	4X5.7	3.0	60	0.26	JVE6.3V47M4X6
	56	5X5.7	1.8	95	0.26	JVE6.3V56M5X6
	68	5X5.7	1.8	95	0.26	JVE6.3V68M5X6
	100	5X5.7	1.8	95	0.26	JVE6.3V100M5X6
	150	5X5.7	1.8	95	0.26	JVE6.3V150M5X6
	150	6.3X5.7	1.8	140	0.26	JVE6.3V150M6X6
	220	6.3X5.7	1.0	140	0.26	JVE6.3V220M6X6
	330	6.3X5.7	1.0	140	0.26	JVE6.3V330M6X6
	330	6.3X7.7	1.0	230	0.26	JVE6.3V330M6X8
	470	6.3X7.7	0.6	230	0.26	JVE6.3V470M6X8
	680	8X10.5	0.3	450	0.26	JVE6.3V680M8X10
	1000	8X10.5	0.3	450	0.26	JVE6.3V1000M8X10
	1500	8X10.5	0.3	450	0.26	JVE6.3V1500M8X10
	1500	10X10.5	0.15	670	0.26	JVE6.3V1500M10X10
10	22	4X5.7	3.0	60	0.2	JVE10V22M4X6
	33	4X5.7	3.0	60	0.2	JVE10V33M4X6
	47	4X5.7	3.0	60	0.2	JVE10V47M4X6
	47	5X5.7	1.8	95	0.2	JVE10V47M5X6
	56	4X5.7	3.0	60	0.2	JVE10V56M4X6
	56	5X5.7	1.8	95	0.2	JVE10V56M5X6
	68	5X5.7	1.8	95	0.2	JVE10V68M5X6
	100	5X5.7	1.8	95	0.2	JVE10V100M5X6
	100	6.3X5.7	1.0	140	0.2	JVE10V100M6X6
	150	6.3X5.7	1.0	140	0.2	JVE10V150M6X6
	220	6.3X5.7	1.0	140	0.2	JVE10V220M6X6
	220	6.3X7.7	0.6	230	0.2	JVE10V220M6X6
	330	6.3X7.7	0.6	230	0.2	JVE10V330M6X8
	470	6.3X7.7	0.6	230	0.2	JVE10V470M6X8
	470	8X10.5	0.3	450	0.2	JVE10V470M8X10
	680	8X10.5	0.3	450	0.2	JVE10V680M8X10
	1000	8X10.5	0.3	450	0.2	JVE10V1000M8X10
	1000	10X10.5	0.15	670	0.2	JVE10V1000M10X10
16	10	4X5.7	3.0	60	0.16	JVE16V10M4X6

JVE series

额定电压 Rated Voltage(V)	额定静电容量 Rated Capacitance(μF)	铝壳尺寸 Case Size Φ DXL(mm)	阻抗 Impedance (Ω,20℃,100KHz)	额定纹波电流 Rated Ripple Current (mA,105℃,100KHz)	损失角正切值 tan δ	品号 Part Number
16	22	4X5.7	3.0	60	0.16	JVE16V22M4X6
	22	5X5.7	1.8	95	0.16	JVE16V22M5X6
	33	4X5.7	3.0	60	0.16	JVE16V33M4X6
	33	5X5.7	1.8	95	0.16	JVE16V33M5X6
	47	5X5.7	1.8	95	0.16	JVE16V47M5X6
	47	6.3X5.7	1.0	140	0.16	JVE16V47M6X6
	56	5X5.7	1.8	95	0.16	JVE16V56M5X6
	56	6.3X5.7	1.0	140	0.16	JVE16V56M6X6
	68	5X5.7	1.8	95	0.16	JVE16V68M5X6
	68	6.3X5.7	1.0	140	0.16	JVE16V68M6X6
	100	6.3X5.7	1.0	140	0.16	JVE16V100M6X6
	100	6.3X7.7	0.6	230	0.16	JVE16V100M6X8
	150	6.3X5.7	1.0	140	0.16	JVE16V150M6X6
	150	6.3X7.7	0.6	230	0.16	JVE16V150M6X8
	220	6.3X7.7	0.6	230	0.16	JVE16V220M6X8
	330	6.3X7.7	0.6	230	0.16	JVE16V330M6X8
	330	8X10.5	0.3	450	0.16	JVE16V330M8X10
	470	8X10.5	0.3	450	0.16	JVE16V470M8X10
	680	8X10.5	0.3	450	0.16	JVE16V680M8X10
	680	10X10.5	0.15	670	0.16	JVE16V680M10X10
	1000	10X10.5	0.15	670	0.16	JVE16V1000M10X10
25	10	4X5.7	3.0	60	0.14	JVE25V10M4X6
	15	4X5.7	3.0	60	0.14	JVE25V15M4X6
	22	4X5.7	3.0	60	0.14	JVE25V22M4X6
	22	5X5.7	1.8	95	0.14	JVE25V22M5X6
	33	4X5.7	3.0	60	0.14	JVE25V33M4X6
	33	5X5.7	1.8	95	0.14	JVE25V33M5X6
	47	5X5.7	1.8	95	0.14	JVE25V47M5X6
	47	6.3X5.7	1.0	140	0.14	JVE25V47M6X6
	56	6.3X5.7	1.0	140	0.14	JVE25V56M6X6
	68	6.3X5.7	1.0	140	0.14	JVE25V68M6X6
	100	6.3X5.7	1.0	140	0.14	JVE25V100M6X6
	100	6.3X7.7	0.6	230	0.14	JVE25V100M6X8
	150	6.3X7.7	0.6	230	0.14	JVE25V150M6X8
	150	8X10.5	0.3	450	0.14	JVE25V150M8X10

JVE series

额定电压 Rated Voltage(V)	额定静电容量 Rated Capacitance(μF)	铝壳尺寸 Case Size Φ DXL(mm)	阻抗 Impedance (Ω,20℃,100KHz)	额定纹波电流 Rated Ripple Current (mA,105℃,100KHz)	损失角 正切值 tan δ	品号 Part Number
25	220	8X10.5	0.3	450	0.14	JVE25V220M8X10
	330	8X10.5	0.3	450	0.14	JVE25V330M8X10
	330	10X10.5	0.15	670	0.14	JVE25V330M10X10
	470	10X10.5	0.15	670	0.14	JVE25V470M10X10
	470	10X10.5	0.075	800	0.14	JVE25V470M10X10
35	3.3	4X5.7	3.0	60	0.12	JVE35V3R3M4X6
	4.7	4X5.7	3.0	60	0.12	JVE35V4R7M4X6
	10	4X5.7	3.0	60	0.12	JVE35V10M4X6
	10	5X5.7	1.8	95	0.12	JVE35V10M5X6
	15	5X5.7	1.8	95	0.12	JVE35V15M5X6
	22	5X5.7	1.8	95	0.12	JVE35V22M5X6
	33	5X5.7	1.8	95	0.12	JVE35V33M5X6
	33	6.3X5.7	1.0	140	0.12	JVE35V33M6X6
	47	6.3X5.7	1.0	140	0.12	JVE35V47M6X6
	56	6.3X5.7	1.0	140	0.12	JVE35V56M6X6
	68	6.3X5.7	1.0	140	0.12	JVE35V68M6X6
	68	6.3X7.7	0.6	230	0.12	JVE35V68M6X8
	100	6.3X7.7	0.6	230	0.12	JVE35V100M6X8
	220	8X10.5	0.3	450	0.12	JVE35V220M8X10
	330	10X10.5	0.15	670	0.12	JVE35V330M10X10
	470	10X10.5	0.15	670	0.12	JVE35V470M10X10
	470	10X12.5	0.075	800	0.12	JVE35V470M10X12
50	1	4X5.7	5.0	30	0.12	JVE50V1RM4X6
	1.5	4X5.7	5.0	30	0.12	JVE50V1R5M4X6
	2.2	4X5.7	5.0	30	0.12	JVE50V2R2M4X6
	3.3	4X5.7	5.0	30	0.12	JVE50V3R3M4X6
	3.3	5X5.7	3.0	50	0.12	JVE50V3R3M5X6
	4.7	4X5.7	5.0	30	0.12	JVE50V4R7M4X6
	4.7	5X5.7	3.0	50	0.12	JVE50V4R7M5X6
	10	5X5.7	3.0	50	0.12	JVE50V10M5X6
	10	6.3X5.7	2.0	70	0.12	JVE50V10M6X6
	15	6.3X5.7	2.0	70	0.12	JVE50V15M6X6
	22	6.3X5.7	2.0	70	0.12	JVE50V22M6X6
	33	6.3X5.7	2.0	70	0.12	JVE50V33M6X6
	33	6.3X7.7	1.0	120	0.12	JVE50V33M6X8

JVE series

额定电压 Rated Voltage(V)	额定静电容量 Rated Capacitance(μF)	铝壳尺寸 Case Size Φ DXL(mm)	阻抗 Impedance (Ω,20℃,100KHz)	额定纹波电流 Rated Ripple Current (mA,105℃,100KHz)	损失角正切值 tan δ	品号 Part Number
50	47	6.3X7.7	1.0	120	0.12	JVE50V47M6X8
	56	6.3X7.7	1.0	120	0.12	JVE50V56M6X8
	68	6.3X7.7	1.0	120	0.12	JVE50V68M6X8
	68	8X10.5	0.6	300	0.12	JVE50V68M8X10
	100	8X10.5	0.6	300	0.12	JVE50V100M8X10
	100	8X10.5	0.3	500	0.12	JVE50V100M8X10
	150	10X10.5	0.3	500	0.12	JVE50V150M10X10
	220	10X10.5	0.3	500	0.12	JVE50V220M10X10
	220	10X12.5	0.16	580	0.12	JVE50V220M10X12
63	4.7	5X5.7	3.0	50	0.12	JVE63V4R7M5X6
	10	5X5.7	3.0	50	0.12	JVE63V10M5X6
	10	6.3X5.7	1.5	80	0.12	JVE63V10M6X6
	22	6.3X5.7	1.5	80	0.12	JVE63V22M6X6
	22	6.3X7.7	1.2	120	0.12	JVE63V22M6X8
	33	6.3X7.7	1.2	120	0.12	JVE63V33M6X8
	33	8X10.5	0.7	250	0.12	JVE63V33M8X10
	47	8X10.5	0.65	250	0.12	JVE63V47M8X10
	56	8X10.5	0.65	250	0.12	JVE63V56M8X10
	68	8X10.5	0.65	250	0.12	JVE63V68M8X10
	82	8X10.5	0.65	250	0.12	JVE63V82M8X10
	82	10X10.5	0.35	400	0.12	JVE63V82M10X10
	100	10X10.5	0.35	400	0.12	JVE63V100M10X10
	150	10X10.5	0.35	400	0.12	JVE63V150M10X10
80	10	6.3X5.7	3.0	40	0.12	JVE80V10M6X6
	10	6.3X7.7	2.4	60	0.12	JVE80V10M6X8
	22	6.3X7.7	2.4	60	0.12	JVE80V22M6X8
	22	8X10.5	1.5	110	0.12	JVE80V22M8X10
	33	8X10.5	1.5	110	0.12	JVE80V33M8X10
	47	8X10.5	1.5	110	0.12	JVE80V47M8X10
	56	8X10.5	1.5	110	0.12	JVE80V56M8X10
	68	10X10.5	0.8	170	0.12	JVE80V68M10X10
	82	10X10.5	0.8	170	0.12	JVE80V82M10X10
	100	10X10.5	0.8	170	0.12	JVE80V100M10X10
100	10	6.3X7.7	2.4	60	0.08	JVE100V10M6X8
	22	8X10.5	1.5	110	0.08	JVE100V22M8X10

JVE series

额定电压 Rated Voltage(V)	额定静电容量 Rated Capacitance(μF)	铝壳尺寸 Case Size Φ DXL(mm)	阻抗 Impedance (Ω,20℃,100KHz)	额定纹波电流 Rated Ripple Current (mA,105℃,100KHz)	损失角 正切值 tan δ	品号 Part Number
100	33	8X10.5	1.5	110	0.08	JVE100V33M8X10
	33	10X10.5	0.8	170	0.08	JVE100V33M10X10
	47	10X10.5	0.8	170	0.08	JVE100V47M10X10
	56	10X10.5	0.8	170	0.08	JVE100V56M10X10
	68	10X10.5	0.8	170	0.08	JVE100V68M10X10