

JVL series

■ 特性 Features

- 105°C2000-3000H
- 适用于高密度表面安装 Suitable for High-Density Surface Mounting
- 高电压, 高纹波电流 High voltage, high ripple current



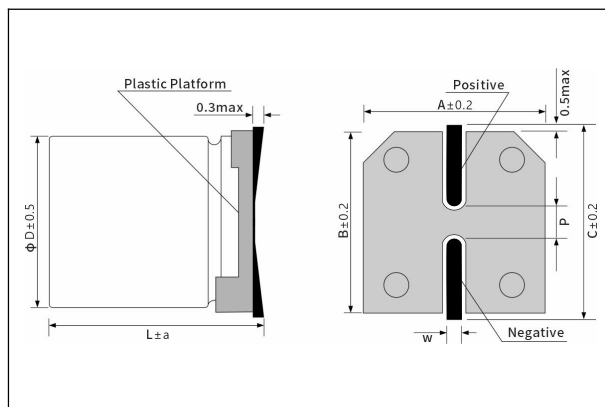
■ 仕様 Specifications

项目 Item	条件 Condition		性能 Performance					
使用温度范围 Operating Temperature Range	-		-40℃~+105℃			-25℃~+105℃		
额定电压范围 Rated Voltage Range	-		160~400V _{DC}			450~V _{DC}		
额定静电容量范围 Rated Capacitance Range	-		1.0~22μF					
额定静电容量容许差 Capacitance Tolerance	120Hz, 20℃		±20%					
漏电流 Leakage current	施加额定电压 2 分钟后 After applying rated voltage for 2 minutes		0.02CV+10μA					
额定电压 Rated Voltage(V)	-		160	200	250	350	400	450
损失角正切值 Dissipation Factor	120Hz,20℃ (Max.)	tan δ	0.15	0.15	0.15	0.20	0.20	0.20
		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℃) /Z _(+20℃)	2	2	2	3	3	3
		Z _(-40℃) /Z _(+20℃)	6	6	6	10	10	-
耐久性 Endurance	在 105℃下, 连续施加额定电压 3000 小时后(φ6.3 为 2000H), 满足以下项目 Under 105℃, apply rated voltage for 3000 hours (φ6.3: 2000H), 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℃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℃ 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)

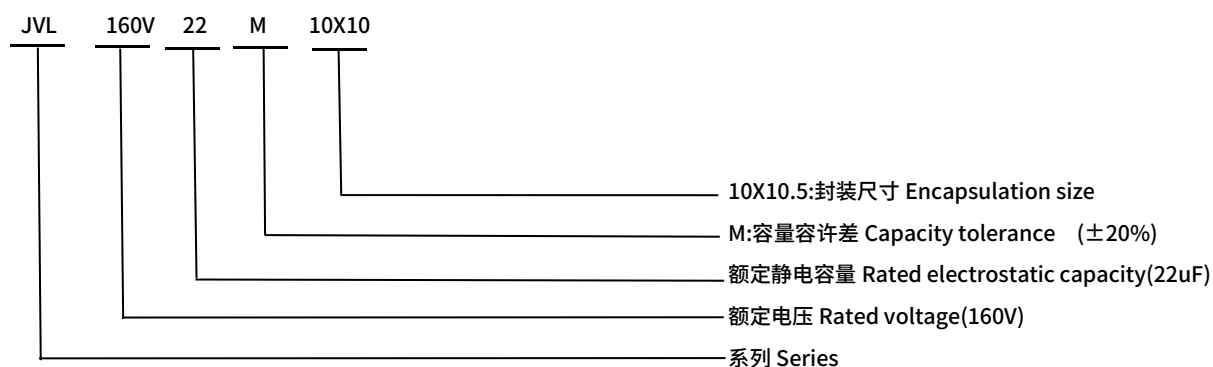


D	L	A	B	C	P	α	W
4	5.7	4.3	4.3	5.0	1.0	± 0.5	0.5-0.8
5	5.7	5.3	5.3	6.0	1.5	± 0.5	0.5-0.8
6.3	5.7	6.6	6.6	7.3	2.0	± 0.5	0.5-0.8
6.3	7.7	6.6	6.6	7.3	2.0	± 0.5	0.5-0.8
8.0	10.5	8.3	8.3	9.0	3.1	± 0.5	0.7-1.2
10.0	10.5	10.3	10.3	11.0	4.7	± 0.5	0.7-1.2
12.5	13.5	13	13	14	4.7	± 1.0	1.0-1.4
16	16.5	17	17	18	6.4	± 1.0	1.0-1.4

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

频率 Freq. 容值 Cap.	120Hz	1KHz	10KHz	100KHz
Under 8.2	0.45	0.60	0.80	1.00
10~22 μ F	0.50	0.75	0.90	1.00

品号编码体系 Part Number Coding System (Example: 160V22 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(μF)	铝壳尺寸 Case Size Φ DXL(mm)	额定纹波电流 Rated Ripple Current (mA,105°C,100KHz)	损失角正切值 tan δ	品号 Part Number
160	5.6	6.3X10.5	110	0.15	JVL160V5R6M6X10
	6.8	6.3X10.5	125	0.15	JVL160V6R8M6X10
	8.2	8X10.5	125	0.15	JVL160V8R2M8X10
	10	8X10.5	140	0.15	JVL160V10M8X10
	12	8X10.5	150	0.15	JVL160V12M8X10
	15	8X10.5	160	0.15	JVL160V15M8X10
	22	10X10.5	250	0.15	JVL160V22M10X10
200	4.7	6.3X10.5	125	0.15	JVL200V4R7M6X10
	5.6	6.3X10.5	125	0.15	JVL200V5R6M6X10
	6.8	8X10.5	130	0.15	JVL200V6R8M8X10
	8.2	8X10.5	140	0.15	JVL200V8R2M8X10
	10	8X10.5	170	0.15	JVL200V10M8X10
	12	10X10.5	230	0.15	JVL200V12M10X10
	15	10X10.5	240	0.15	JVL200V15M10X10
	22	10X10.5	250	0.15	JVL200V22M10X10
250	2.2	6.3X10.5	105	0.15	JVL250V2R2M6X10
	3.9	6.3X10.5	135	0.15	JVL250V3R9M6X10
	4.7	6.3X10.5	135	0.15	JVL250V4R7M6X10
	5.6	8X10.5	140	0.15	JVL250V5R6M8X10
	6.8	8X10.5	150	0.15	JVL250V6R8M8X10
	8.2	8X10.5	170	0.15	JVL250V8R2M8X10
	10	10X10.5	230	0.15	JVL250V10M10X10
	12	10X10.5	240	0.15	JVL250V12M10X10
	15	10X10.5	250	0.15	JVL250V15M10X10
350	2.7	6.3X10.5	125	0.20	JVL350V2R7M6X10
	3.3	6.3X10.5	125	0.20	JVL350V3R3M6X10
	3.9	8X10.5	130	0.20	JVL350V3R9M8X10
	4.7	8X10.5	140	0.20	JVL350V4R7M8X10
	5.6	8X10.5	140	0.20	JVL350V5R6M8X10
	6.8	8X10.5	230	0.20	JVL350V6R8M8X10
	8.2	8X10.5	240	0.20	JVL350V8R2M8X10
	10	8X10.5	250	0.20	JVL350V10M8X10
400	1.0	6.3X10.5	80	0.20	JVL400V1M6X10

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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)	额定纹波电流 Rated Ripple Current (mA,105°C,120Hz)	损失角正切值 tan δ	品号 Part Number
400	2.2	6.3X10.5	105	0.20	JVL400V2R2M6X10
	2.7	6.3X10.5	125	0.20	JVL400V2R7M6X10
	3.3	8X10.5	135	0.20	JVL400V3R3M8X10
	3.9	8X10.5	140	0.20	JVL400V3R9M8X10
	4.7	8X10.5	48	0.20	JVL400V4R7M8X10
	5.6	10X10.5	220	0.20	JVL400V5R6M10X10
	6.8	10X10.5	230	0.20	JVL400V6R8M10X10
	8.2	10X10.5	240	0.20	JVL400V8R2M10X10
	8.2	10X12.5	275	0.20	JVL400V8R2M10X12
	10	10X12.5	275	0.20	JVL400V10M10X12
450	1.0	6.3X10.5	80	0.20	JVL450V1M6X10
	1.5	6.3X10.5	90	0.20	JVL450V1R5M6X10
	2.2	6.3X10.5	100	0.20	JVL450V2R2M6X10
	2.7	8X10.5	115	0.20	JVL450V2R7M8X10
	3.3	8X10.5	120	0.20	JVL450V3R3M8X10
	3.9	8X10.5	135	0.20	JVL450V3R9M8X10
	4.7	10X10.5	160	0.20	JVL450V4R7M10X10
	5.6	10X10.5	190	0.20	JVL450V5R6M10X10
	6.8	10X10.5	215	0.20	JVL450V6R8M10X10
	6.8	10X12.5	245	0.20	JVL450V6R8M10X12

Note1: Case size ΦD xL(mm), ripple current (mA, rms) at 105°C, 100KHz.

Note2: Produce custom product too, which are not found in these tables.