

# JVD Series

HighVoltage



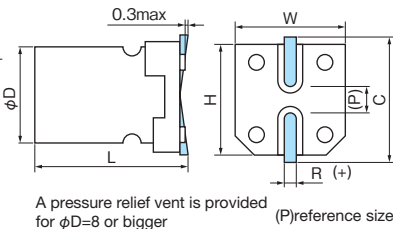
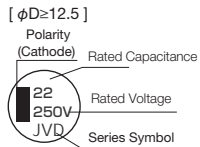
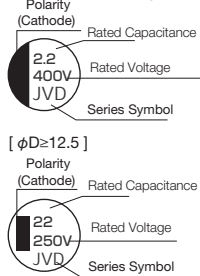
- 160 to 450V, 105°C 5,000hours
- Non solvent proof

## Specifications

Items	Condition	Specifications					
Rated voltage (V)	—	160	200	250	400	450	
Surge voltage (V)	Room temperature	200	250	300	450	500	
Category temperature range (°C)	—	-40 to +105					
Capacitance tolerance (%)	120Hz/20°C	M : ±20					
Dissipation Factor (tan δ)	tanδ(max) 120Hz/20°C	0.20			0.25		
Leakage current(LC)	μA/after 2minutes (max)	CV ≤ 5.6	0.03CV + 15 μA				
		CV > 5.6	0.02CV + 25 μA				
Impedance ratio at low temperature	Based on the value at 120Hz, +20°C	-25°C Z/Z <sub>20°C</sub>	3	3	6	6	10
		-40°C Z/Z <sub>20°C</sub>	6	6	10	10	15
Endurance	105°C 5,000hours rated voltage applied (With the rated ripple current)	△C/C	Within ±30% of the initial value				
		tanδ	Less than 300% of the specified value				
		LC	Less than the specified value				

## Marking, Dimensions

[φD≤10] Black print on the case top



(Unit : mm)

D <sup>±0.5</sup>	L <sup>±0.5</sup>	W <sup>±0.2</sup>	H <sup>±0.2</sup>	C <sup>±0.2</sup>	R	P <sup>±0.2</sup>
8	10.5	8.3	8.3	9.2	0.7 to 1.2	3.1
10	10.5	10.3	10.3	11.2	0.7 to 1.2	4.4
10	13.5	10.3	10.3	11.2	0.7 to 1.2	4.4
12.5	13.5	13.0	13.0	14.0	1.0 to 1.4	4.4
12.5	16.0	13.0	13.0	14.0	1.0 to 1.4	4.4
16	16.5	17.0	17.0	18.0	1.0 to 1.4	6.4

## Ripple Current Frequency Coefficient

Frequency:F(Hz)	50Hz	120Hz	300Hz	1kHz	10kHz≤F
Capacitance:C(μF) All ITEM	0.70	1.00	1.17	1.30	1.50

## Size, Rated Ripple Current

μF \ V	160	200	250	400	450
1.0					8×10.5 15
1.5					8×10.5 18
2.2				8×10.5 15	8×10.5 20
3.3				8×10.5 20	10×10.5 25
4.7			8×10.5 25	8×12.5 30	10×13.5 40
5.6			8×10.5 30	10×10.5 40	10×13.5 50
6.8		8×10.5 30	8×12.5 35	10×10.5 45	10×13.5 55
8.2		8×10.5 35	10×10.5 40	12.5×13.5 60	
10	8×10.5 45	10×10.5 40		12.5×13.5 70	12.5×16.0 75
12	8×12.5 50		10×13.5 45		
15	10×10.5 60	10×13.5 45		12.5×16.0 95	16×16.5 105
22	10×13.5 65	12.5×13.5 60	12.5×16.0 75		
27		12.5×16.0 75		16×16.5 105	
33	12.5×13.5 70	16×16.5 95	16×16.5 95		

Case size: φDxL(mm)

Rated ripple current  
mA<sub>rms</sub>(120Hz, 105°C)