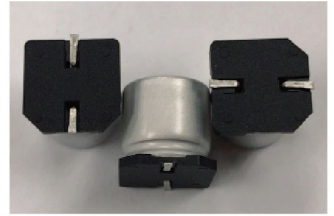


## » JVEA Series

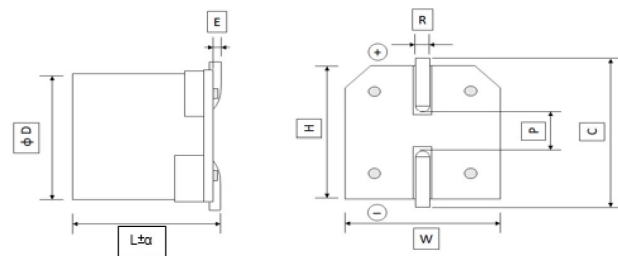
- Standard SMD type
- Rated Voltage: 2.5~25Vdc
- Endurance 2000hrs at 105°C
- Suitable for DC-DC converters, voltage regulators and decoupling applications
- RoHS Compliant



## » Specifications

Category	Temperature Range	-55~+105°C	Rated Voltage Range	2.5 to 25Vdc
	Rated Capacitance Range	22 to 1000 (μF)	Capacitance Tolerance	±20% (M)
	Surge Voltage	Rated voltage X 1.15 (at 105°C)	Dissipation Factor	0.12 max. (at 20°C 120Hz)
	Leakage Current	Shall not exceed values shown in standard ratings. (at 20°C after 2 mins.)		
Endurance	105°C, 2000hrs, rated voltage applied			
	Appearance	No significant damage		
	Capacitance Change	≤±20% of the initial value		
	DF(tan δ)	≤ 150% of the initial specified value		
	ESR	≤ 150% of the initial specified value		
	Leakage current	≤ The initial specified value		
Damp Heat (Steady State)	60°C, 90 to 95% RH, 1000hrs, No voltage applied			
	Appearance	No significant damage		
	Capacitance Change	≤±20% of the initial value		
	DF(tan δ)	≤ 150% of the initial specified value		
	ESR	≤ 150% of the initial specified value		
	Leakage current	≤ The initial specified value		
Surge Voltage	1,000 cycles and each one includes charge with surge voltage specified at 105°C for 0.5min through a protective resistor (R=1kΩ) and discharge for 5.5min.			
	Appearance	No significant damage		
	Capacitance Change	≤±20% of the initial value		
	DF(tan δ)	≤ 150% of the initial specified value		
	ESR	≤ 150% of the initial specified value		
	Leakage current	≤ The initial specified value		

## » Dimensions



Size	φ D±0.5max (mm)	L (mm)	α (mm)	E (mm)	W±0.2 (mm)	H±0.2 (mm)	C±0.2 (mm)	R (mm)	P±0.3 (mm)
0558	5.0	5.8	0.2	0.00~0.20	5.3	5.3	6.0	0.5~0.8	1.4
0643	6.3	4.3	0.2	0.00~0.20	6.6	6.6	7.3	0.5~0.8	2.1
0658	6.3	5.8	0.2	0.00~0.20	6.6	6.6	7.3	0.5~0.8	2.1
0697	6.3	9.7	0.3	0.00~0.20	6.6	6.6	7.3	0.6~0.9	2.1
0868	8.0	6.8	0.2	0.00~0.20	8.3	8.3	9.0	0.8~1.1	2.9
0897	8.0	9.7	0.3	0.00~0.20	8.3	8.3	9.0	0.8~1.1	2.9
0812	8.0	12.0	0.5	0.00~0.20	8.3	8.3	9.0	0.8~1.1	3.2
1012	10.0	12.0	0.2	0.00~0.20	10.3	10.3	11.0	0.8~1.1	4.6

## JVEA Series

### >> Standard Ratings

WV/Vdc (SV)	Cap (μF)	Size Code	Leakage Current (μA)	ESR (mΩ max/20%, 100k to300kHz)	Rated Ripple Current (mArms/ 105°C /100kHz)	Part No.
2.5 (2.9)	330	0643	700	17	2,300	JVEA331M2R5V0643
	390	0558	700	10	3,900	JVEA391M2R5V0558
	390	0658	292	10	3,900	JVEA391M2R5V0658
	560	0658	700	10	3,900	JVEA561M2R5V0658
	820	0697	700	10	4,300	JVEA821M2R5V0697
6.3 (7.2)	100	0643	315	19	2,300	JVEA101M6R3V0643
	220	0643	700	17	2,300	JVEA221M6R3V0643
	220	0658	277	15	3,160	JVEA221M6R3V0658
	330	0658	416	17	3,390	JVEA331M6R3V0658
	560	0697	705	10	4,300	JVEA561M6R3V0697
	820	0897	1,033	12	4,700	JVEA821M6R3V0897
	1000	0897	1,260	10	5,440	JVEA102M6R3V0897
16 (18.4)	47	0658	376	25	2,500	JVEA470M16V0658
	100	0558	320	27	3,000	JVEA101M16V0558
	100	0658	320	24	2,490	JVEA101M16V0658
	180	0658	576	22	3,300	JVEA181M16V0658
	270	0868	864	22	3,300	JVEA271M16V0868
	270	0897	864	16	4,400	JVEA271M16V0897
	560	0812	1,792	14	4,950	JVEA561M16V0812
	1000	1012	3,200	12	5,400	JVEA102M16V1012
25 (28.8)	22	0643	275	45	2,350	JVEA220M25V0643
	27	0658	338	40	2,100	JVEA270M25V0658