

# SMD Aluminum Electrolytic Capacitor – JCB

## FEATURES

- +105°C 2,000hours
- Bi-polar
- Solvent proof (within 2 minutes)



## SPECIFICATIONS

Operating Temperature	-55°C ~ +105°C
Voltage Range	6.3V ~ 50V.DC
Surge voltage	8.0V ~ 63V.DC
Capacitance Tolerance	±20% at 120Hz, 20°C
Leakage Current	0.03CV + 6μA (μA/after 2 minutes (max))

Dissipation Factor (Tan δ) Measurement Frequency: 120Hz, Temperature: 20°C

Rated Voltage (V)	6.3	10	16	25	35	50
Tan δ (Max.)	0.32	0.26	0.24	0.22	0.20	0.20

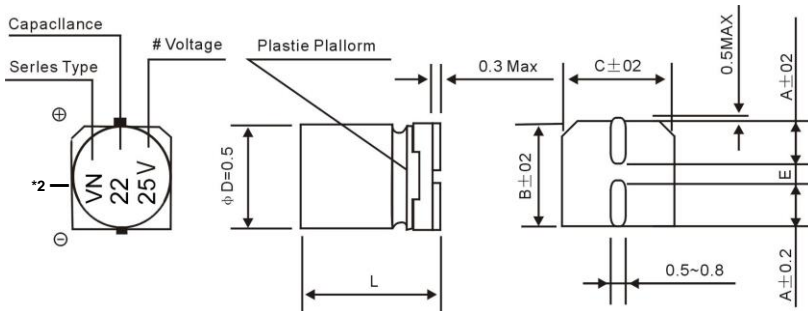
Stability At Low Temp. Measurement Frequency: 120Hz

Rated voltage (V)	6.3	10	16	25	35	50
Impedance Ratio	Z(-25°C) / Z(20°C)	4	3	2	2	2
ZT / Z20 (Max.)	Z(-40°C) / Z(20°C)	10	8	6	4	3

Endurance 500hours×4(alternately) 105°C, rated voltage applied (With the rated ripple current)

Capacitance Change	Within ± 30% of initial value.
Dissipation Factor	Less than 300% of the specified value
Leakage Current	Less than the specified value

## DRAWING (Unit: mm)



\*1 Voltage mark for 6.3V is [6V] or [6.3V]  
 \*2 Surface Marking Types: jB, jB, VN

## DIMENSIONS(Unit: mm)

ØDxL	4x5.4	5x5.4	6.3x5.4	6.3x7.7
A	1.8	2.1	2.4	2.4
B	4.3	5.3	6.6	6.6
C	4.3	5.3	6.6	6.6
E±0.2	1.0	1.3	2.2	2.2
L±0.6	5.4	5.4	5.4	7.7

Please visit our website to get more update data, those data & specification are subject to change without notice.

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### DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV/V Cap/μF		6.3		10		16		25		35		50	
		0J		1A		1C		1E		1V		1H	
1	010	--	--	--	--	--	--	--	--	--	--	4×5.4	10
2.2	2R2	--	--	--	--	--	--	--	--	4×5.4	8.4	5×5.4	15
3.3	3R3	--	--	--	--	--	--	4×5.4	10	5×5.4	16	5×5.4	18
4.7	4R7	--	--	--	--	4×5.4	12	5×5.4	16	5×5.4	18	6.3×5.4	20
10	100	--	--	4×5.4	17	5×5.4	23	6.3×5.4	28	6.3×5.4	27	6.3×5.4	25
22	220	--	--	5×5.4	28	6.3×5.4	37	6.3×5.4	35	6.3×5.4	30	6.3×7.7	35
33	330	6.3×5.4	37	6.3×5.4	33	6.3×5.4	49	6.3×7.7	50	6.3×7.7	35	--	--
47	470	6.3×5.4	45	6.3×5.4	41	6.3×7.7	55	--	--	--	--	--	--
100	101	6.3×7.7	82	6.3×7.7	60	--	--	--	--	--	--	Case size	Allowable ripple

Case size:  $\phi$ D(mm) Allowable Ripple (mA rms) at 105°C 120Hz

### FREQUENCY COEFFICIENT OF ALLOWABLE RIPPLE CURRENT

Frequency:F(Hz)		100≤F<1k	1k≤F<10k	10k≤F<100k	100k≤F
Capacitance:C(μF)	C≤4.7	1.00	1.30	1.50	1.80
	4.7<C≤33	1.00	1.20	1.30	1.45
	33<C	1.00	1.10	1.20	1.30

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