SMD Aluminum Electrolytic Capacitor – JCX

FEATURES

- 105℃ 2,000 to 5,000hours.
- Solvent proof (within 2 minutes)

SPECIFICATIONS

Operating Temperature	-55℃ ~ +105℃
Voltage Range	6.3V ~ 50V.DC
Capacitance Range	10 ~ 2200μF
Capacitance Tolerance	±20% at 120Hz, 20℃
Leakage Current	The greater value of either 0.01CV or 3μAr μA/after 2minutes (max)

Dissipation Factor (Tan δ)

Measurement Frequency: 120Hz, Temperature: 20℃

Rated Voltage (V)		6.3	10	16	25	35	50
Surge voltage (V)		8.0	13	20	32	44	63
Tan δ(Max.)	Φ4 to Φ6.3	0.24	0.20	0.18	0.16	0.14	0.12
	Φ8 to Φ10	0.26	0.24	0.20	0.18	0.16	0.14
	Exceeding 1,000μF, +0.02 every 1,000μF						

Stability At Low Temp.

Measurement Frequency: 120Hz, +20℃

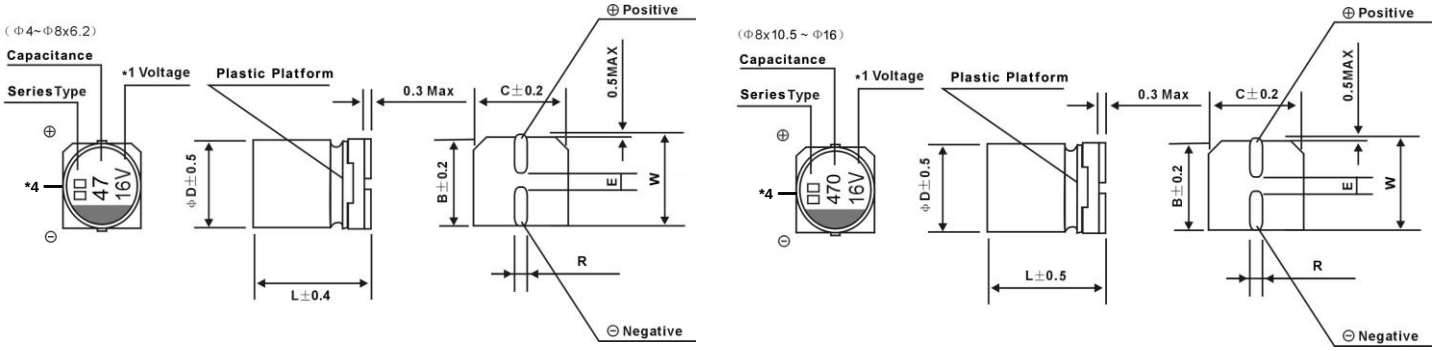
Rated Voltage (V)		6.3	10	16	25	35	50
Impedance Ratio	-25℃	3	2	2	2	2	2
ZT/Z 20℃ (Max.)	-55℃	5	4	4	3	3	3

Load Life

105℃, 2,000hours rated voltage applied(With the rated ripple current)
Capacitors meet the characteristics requirements listed below.

Testing	6.3V.DC : 3,000hours, Φ8×10.5 and Φ10×10.5 : 5,000hours
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] *2 Applicable toΦ8x10.5~Φ10 *3 Applicable toΦ12.5 *4 Surface Marking Types: jbX, jX, RX

ΦDxL	4x5.4	5x5.4	6.3x5.4	6.3x7.7	8x6.5	8x10.5	10x10.5
B	4.3	5.3	6.6	6.6	8.3	8.3	10.3
C	4.3	5.3	6.6	6.6	8.3	8.3	10.3
E±0.2	1.0	1.3	2.2	2.2	3.1	3.1	4.4
L	5.4	5.4	5.4	7.7	6.5	10.5	10.5
R	0.5 to 0.8	0.5 to 0.8	0.5 to 0.8	0.5 to 0.8	0.7 to 1.0	0.7 to 1.0	0.1 to 1.4
W	5.1	6.1	7.3	7.3	9.2	9.2	11.2

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REQUENCY COEFFICIENT OF ALLOWABLE RIPPLE CURRENT

Frequency:F(Hz)		100≤F<1k	1k≤F<10k	10k≤F<100k	100k≤F
Capacitance:C(μF)	C≤33	0.35	0.70	0.90	1.00
	33<C≤150	0.40	0.85	0.92	1.00
	150<C	0.60	0.85	0.95	1.00

STANDARD SIZE

WV / Parameter / Cap.uF		6.3			10			16		
		0J			1A			1C		
47	470							4x5.8	0.85	160
68	680				4x5.8	0.85	160	5x5.8	0.36	240
100	101	4x5.8	0.85	160				5x5.8	0.36	240
150	151				5x5.8	0.36	240	6.3x5.8	0.26	300
220	221	5x5.8	0.36	240	6.3x5.8	0.26	300	6.3x5.8	0.26	300
330	331	6.3x5.8	0.26	300	6.3x7.7	0.16	600	6.3x7.7	0.16	600
390	391									
470	471	6.3x7.7	0.16	600	6.3x7.7	0.16	600	8x6.5	0.16	600
560	561									
680	681	6.3x7.7	0.16	600				8x10.5	0.08	850
820	821							8x10.5	0.08	850
1000	102				8x10.5	0.08	850	10x10.5	0.06	1190
1200	122							10x10.5	0.06	1190
1500	152	8x10.5	0.08	850	10x10.5	0.06	1190	Case size: ΦDxL (mm)	Impedance (Ω) max at 100kHz, 20℃	Rated ripple current mArms (100kHz,105℃)
2200	222	10x10.5	0.06	1190						

WV / Parameter / Cap.uF		25			35			50		
		1E			1V			1H		
10	100							4x5.8 (5x5.8)	2.30 (0.88)	85 (165)
22	220				4x5.8	0.85	160	5x5.8	0.88	165
33	330	4x5.8	0.85	160	5x5.8	0.36	240			
47	470	5x5.8	0.36	240	5x5.8	0.36	240	6.3x5.8	0.68	195
68	680	5x5.8	0.36	240	6.3x5.8	0.26	300			
100	101	6.3x5.8	0.26	300	6.3x5.8	0.26	300	6.3x7.7	0.34	350
150	151	6.3x7.7	0.16	600	6.3x7.7	0.16	600			
220	221	6.3x7.7	0.16	600				8x10.5	0.18	670
330	331				8x10.5	0.08	850	10x10.5	0.12	450
390	391	8x10.5	0.08	850	8x10.5	0.08	850			
470	471	8x10.5	0.08	850						
560	561	8x10.5	0.08	850	10x10.5	0.06	1100			
680	681				10x10.5	0.06	1190			
820	821	10x10.5	0.06	1190				Case size: ΦDxL (mm)	Impedance (Ω) max at 100kHz, 20℃	Rated ripple current mArms (100kHz,105℃)
1000	102	10x10.5	0.06	1190						

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