

SMD Aluminum Electrolytic Capacitor – JCY

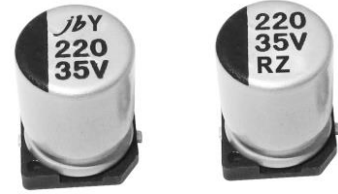
DISCONTINUED MODEL

FEATURES

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

SPECIFICATIONS

Operating Temperature -55°C ~ +105°C
 Voltage Range 6.3V ~ 50V.DC
 Capacitance Range 33 ~ 1500μF
 Capacitance Tolerance ±20% at 120Hz, 20°C
 Leakage Current The greater value of either 0.01CV or 3μAr
 μA/after 2minutes (max)



Dissipation Factor (Tan δ)

Measurement Frequency: 120Hz, Temperature: 20°C

Rated Voltage (V)	6.3	10	16	25	35	50
Surge voltage (V)	8.0	13	20	32	44	63
Tan δ(Max.)	0.26	0.20	0.18	0.16	0.14	0.12

Stability At Low Temp.

Measurement Frequency: 120Hz, +20°C

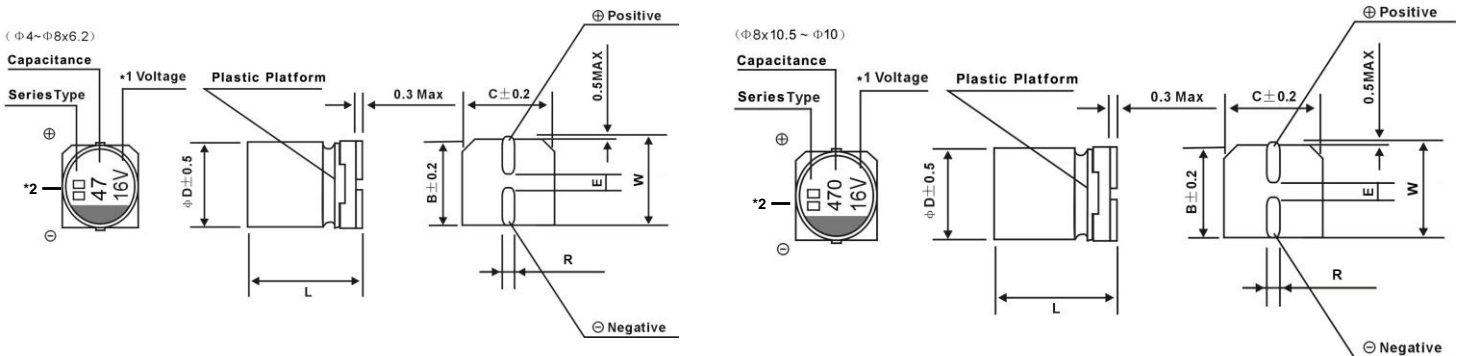
Rated Voltage (V)	6.3	10	16	25	35	50
Impedance Ratio	-25°C	3	3	3	3	3
ZT/Z 20°C (Max.)	-55°C	4	4	4	3	3

Load Life

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

Capacitance Change	Within ± 20% of initial value
Dissipation Factor	Less than 200% 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: jbY, RZ

ΦDxL	6.3x5.8	6.3x7.7	8x10.5	10x10.5	10x13.5
B	6.6	6.6	8.3	10.3	10.3
C	6.6	6.6	8.3	10.3	10.3
E±0.2	2.2	2.2	3.1	4.4	4.4
L	5.8±0.6	7.7±0.6	10.5±0.6	10.5±0.6	13.5±1.0
R	0.5 to 0.8	0.5 to 0.8	0.7 to 1.2	0.7 to 1.2	0.7 to 1.2
W	7.3	7.3	9.2	11.2	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/V		6.3			10			16		
Parameter		0J			1A			1C		
Cap/μF										
33	330									
47	470							6.3x5.8	0.26	300
68	680							6.3x5.8	0.26	300
100	101	6.3x5.8	0.26	300				6.3x5.8 (6.3x7.7)	0.26 (0.16)	300 (600)
150	151				6.3x5.8	0.26	300	6.3x7.7	0.16	600
220	221	6.3x5.8	0.26	300	6.3x7.7	0.16	600	6.3x7.7	0.16	600
330	331	6.3x7.7	0.16	600	8x10.5	0.08	850	8x10.5	0.08	850
390	391									
470	471	8x10.5	0.08	850	8x10.5	0.08	850	8x10.5	0.08	850
560	561									
680	681				8x10.5	0.08	850	10x10.5	0.06	1190
820	821							10x10.5	0.08	850
1000	102	8x10.5	0.08	850	10x10.5	0.06	1190			
1200	122				10x10.5	0.08	850			
1500	152	10x10.5	0.06	1190				Case size: ΦDxL(mm)	ESR (Ω) max at 100kHz, 20°C	Rated ripple current mArms (100kHz,105°C)

WV/V		25			35			50		
Parameter		1E			1V			1H		
Cap/μF										
33	330	6.3x5.8	0.26	300	6.3x5.8	0.26	300			
47	470	6.3x5.8	0.26	300	6.3x5.8	0.26	300			
68	680	6.3x5.8	0.26	300	6.3x7.7	0.16	600			
100	101	6.3x7.7	0.16	600	6.3x7.7 (8x10.5)	0.16 (0.08)	600 (850)	8x10.5	0.18	670
150	151	8x10.5	0.08	850	8x10.5	0.08	850			
220	221	8x10.5	0.08	850	8x10.5	0.08	850	10x10.5	0.12	900
330	331	8x10.5	0.08	850	10x10.5	0.06	1190			
390	391				10x10.5	0.08	850			
470	471	10x10.5	0.06	1190						
560	561	10x10.5	0.08	850				Case size: ΦDxL(mm)	ESR (Ω) max at 100kHz, 20°C	Rated ripple current mArms (100kHz,105°C)

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