

# Aluminum Electrolytic Capacitor – JNE

## STANDARD RATINGS

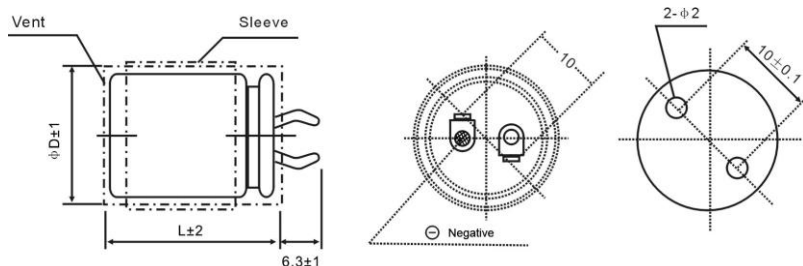
item	partnumber	JNE- Snap-in Aluminum Electrolytic Capacitors, 2000hours at 105'C	Ripple current 105C at 120Hz(Arms)	Load life at 105C	ESR (mΩ)
1	JNE2H560M10002200300	56uF 500V +/-20% DxL=22x30mm P=10mm Bulk RoHS	0.37	2000hours	6810
2	JNE2G820M10002200300	82uF 400V +/-20% DxL=22x30mm P=10mm Bulk RoHS	0.61	2000hours	2000
3	JNE2W820M10002200300	82uF 450V +/-20% DxL=22x30mm P=10mm Bulk RoHS	0.56	2000hours	3910
4	JNE2E391M10002200350	390uF 250V +/-20% DxL=22x35mm P=10mm Bulk RoHS	1.15	2000hours	740
5	JNE2G391M10003000450	390uF 400V +/-20% DxL=30x45mm P=10mm Bulk RoHS	1.11	2000hours	610
6	JNE2W391M10003500450	390uF 450V +/-20% DxL=35x45mm P=10mm Bulk RoHS	1.36	2000hours	685
7	JNE2E561M10002500400	560uF 250V +/-20% DxL=25x40mm P=10mm Bulk RoHS	1.54	2000hours	430
8	JNE2G561M10003500500	560uF 400V +/-20% DxL=35x50mm P=10mm Bulk RoHS	1.52	2000hours	355
9	JNE2E681M10003000350	680uF 250V +/-20% DxL=30x35mm P=10mm Bulk RoHS	1.59	2000hours	360
10	JNE2W681M10003500500	680uF 450V +/-20% DxL=35x50mm P=10mm Bulk RoHS	1.81	2000hours	530
11	JNE2D821M10002500400	820uF 200V +/-20% DxL=25x40mm P=10mm Bulk RoHS	1.81	2000hours	300
12	JNE2D102M10003000400	1000uF 200V +/-20% DxL=30x40mm P=10mm Bulk RoHS	2.19	2000hours	200
13	JNE2G102M10003500600	1000uF 400V +/-20% DxL=35x60mm P=10mm Bulk RoHS	2.12	2000hours	280
14	JNE2E122M10003500400	1200uF 250V +/-20% DxL=35x40mm P=10mm Bulk RoHS	1.99	2000hours	200
15	JNE2W122M10003500800	1200uF 450V +/-20% DxL=35x80mm P=10mm Bulk RoHS	2.78	2000hours	430
16	JNE2E152M10003500500	1500uF 250V +/-20% DxL=35x50mm P=10mm Bulk RoHS	2.7	2000hours	170
17	JNE2D182M10003500400	1800uF 200V +/-20% DxL=35x40mm P=10mm Bulk RoHS	2.72	2000hours	120
18	JNE2E182M10003500500	1800uF 250V +/-20% DxL=35x50mm P=10mm Bulk RoHS	2.7	2000hours	170
19	JNE1J222M10002200350	2200uF 63V +/-20% DxL=22x35mm P=10mm Bulk RoHS	1.73	2000hours	125
20	JNE1H332M10002200350	3300uF 50V +/-20% DxL=22x35mm P=10mm Bulk RoHS	1.9	2000hours	125
21	JNE1J332M10002500400	3300uF 63V +/-20% DxL=25x40mm P=10mm Bulk RoHS	2.29	2000hours	80
22	JNE1E472M10002200250	4700uF 25V +/-20% DxL=22x25mmP=10mm Bulk RoHS	1.6	2000hours	120
23	JNE1V472M10002200350	4700uF 35V +/-20% DxL=22x35mm P=10mm Bulk RoHS	2.03	2000hours	90
24	JNE1E682M10002200300	6800uF 25V +/-20% DxL=22x30mm P=10mm Bulk RoHS	1.95	2000hours	80
25	JNE1H682M10003500300	6800uF 50V +/-20% DxL=35x30mm P=10mm Bulk RoHS	3.32	2000hours	60
26	JNE1K682M10003500500	6800uF 80V +/-20% DxL=35x50mm P=10mm Bulk RoHS	4.2	2000hours	40
27	JNE1V103M10003000350	10000uF 35V +/-20% DxL=30x35mm P=10mm Bulk RoHS	2.94	2000hours	50
28	JNE2A103M10003500700	10000uF 100V +/-20% DxL=35x70mm P=10mm Bulk RoHS	7	2000hours	40
29	JNE1H153M10003000500	15000uF 50V +/-20% DxL=30x50mm P=10mm Bulk RoHS	5.1	2000hours	30
30	JNE1J153M10003500500	15000uF 63V +/-20% DxL=35x50mm P=10mm Bulk RoHS	5.1	2000hours	30
31	JNE1C333M10003500400	33000uF 16V +/-20% DxL=35x40mm P=10mm Bulk RoHS	4.76	2000hours	20
32	JNE1V333M10003500500	33000uF 35V +/-20% DxL=35x50mm P=10mm Bulk RoHS	4.94	2000hours	25
33	JNE1A473M10003000500	47000uF 10V +/-20% DxL=30x50mm P=10mm Bulk RoHS	4.8	2000hours	20
34	JNE1C473M10003500450	47000uF 16V +/-20% DxL=35x45mm P=10mm Bulk RoHS	5.3	2000hours	15
35	JNE1E473M10003500600	47000uF 25V +/-20% DxL=35x60mm P=10mm Bulk RoHS	6.1	2000hours	20

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## SPECIFICATIONS

Items	Performance Characteristics																																							
Operating Temperature Range (°C)	-40°C ~ +105°C	-25°C ~ +105°C																																						
Voltage Range (V)	10 ~ 100	160 ~ 400																																						
Capacitance Tolerance (25°C, 120Hz)	±20%																																							
Leakage Current (µA)	0.01CV or 1.5mA whichever is smaller. (25°C, after 5 minutes) C: Nominal Capacitance (µF) V: Rated Voltage (V)																																							
Dissipation Factor (25°C, 120Hz)	<table border="1"> <thead> <tr> <th>Rated Voltage (V)</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63~100</th> <th>160~200</th> <th>250~400</th> <th>450~500</th> </tr> </thead> <tbody> <tr> <td>Tan δ</td> <td>0.50</td> <td>0.50</td> <td>0.40</td> <td>0.35</td> <td>0.30</td> <td>0.20</td> <td>0.15</td> <td>0.15</td> <td>0.2</td> </tr> </tbody> </table>										Rated Voltage (V)	10	16	25	35	50	63~100	160~200	250~400	450~500	Tan δ	0.50	0.50	0.40	0.35	0.30	0.20	0.15	0.15	0.2										
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Load Life (+105°C)	Time	2000hours																																						
	Leakage Current	Not more than the specified value.																																						
	Capacitance Change	Within±20% of the initial value																																						
	Dissipation Factor	Not more than 200% of the specified value.																																						
Shelf Life (+105°C)	500hours, No voltage applied. After test: U <sub>R</sub> to be applied for 60 minutes, 24 to 48 hours before measurement.																																							

## DIMENSIONS (mm)



## MULTIPLIER FOR RIPPLE CURRENT

### Frequency coefficient

Frequency(Hz) Rated Voltage(V)	50	120	1K	10K	20K
≤50	0.95	1	1.10	1.15	1.15
63~100	0.95	1	1.16	1.30	1.33
≥160	0.90	1	1.20	1.50	1.55

### Temperature coefficient

Temperature(°C)	+40	+55	+70	+85	+105
Factor	2.7	2.5	2.1	1.7	1