



# Aluminum Electrolytic Capacitors

SJA

## Features

- 105°C, 1,000 ~ 2,000 hours assured
- High temperature Category range, with 7mm height
- RoHS Compliance

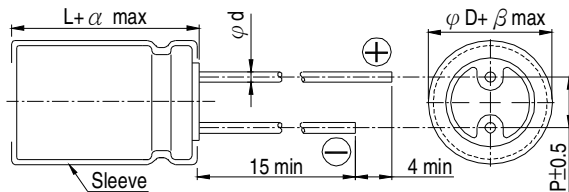


Sleeve & Marking Color: Brown & White

## SECIFICATIONS

Items	Performance																														
Category Temperature Range	-55°C ~ +105°C																														
Capacitance Tolerance	±20% (at 120Hz, 20°C)																														
Leakage Current (at 20°C)	I = 0.01CV or 3 (μA) whichever is greater (after 2 minutes) Where, C = rated capacitance in μF V = rated DC working voltage in V																														
Dissipation Factor (Tan δ at 120Hz, 20°C)	<table border="1"> <thead> <tr> <th>Rated Voltage</th> <th>4</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> </tr> </thead> <tbody> <tr> <td>Tan δ (max)</td> <td>0.35</td> <td>0.23</td> <td>0.20</td> <td>0.17</td> <td>0.15</td> <td>0.12</td> <td>0.10</td> <td>0.10</td> </tr> </tbody> </table>	Rated Voltage	4	6.3	10	16	25	35	50	63	Tan δ (max)	0.35	0.23	0.20	0.17	0.15	0.12	0.10	0.10												
Rated Voltage	4	6.3	10	16	25	35	50	63																							
Tan δ (max)	0.35	0.23	0.20	0.17	0.15	0.12	0.10	0.10																							
Low Temperature Characteristics (at 120Hz)	<p>Impedance ratio shall not exceed the values given in the table below.</p> <table border="1"> <thead> <tr> <th colspan="2">Rated Voltage</th> <th>4</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> </tr> </thead> <tbody> <tr> <td>Impedance</td> <td>Z(-25°C)/Z(+20°C)</td> <td>6</td> <td>4</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Ratio</td> <td>Z(-55°C)/Z(+20°C)</td> <td>12</td> <td>10</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>4</td> <td>3</td> </tr> </tbody> </table>	Rated Voltage		4	6.3	10	16	25	35	50	63	Impedance	Z(-25°C)/Z(+20°C)	6	4	3	3	2	2	2	2	Ratio	Z(-55°C)/Z(+20°C)	12	10	8	6	4	4	4	3
Rated Voltage		4	6.3	10	16	25	35	50	63																						
Impedance	Z(-25°C)/Z(+20°C)	6	4	3	3	2	2	2	2																						
Ratio	Z(-55°C)/Z(+20°C)	12	10	8	6	4	4	4	3																						
Endurance	<table border="1"> <thead> <tr> <th>Test Time</th> <th>2,000 Hrs</th> </tr> </thead> <tbody> <tr> <td>Capacitance Change</td> <td>Within ±25% of initial value</td> </tr> <tr> <td>Dissipation Factor</td> <td>Less than 200% of specified value</td> </tr> <tr> <td>Leakage Current</td> <td>Within specified value</td> </tr> </tbody> </table> <p>* The above specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage applied for 2,000 hours at 105°C.</p>	Test Time	2,000 Hrs	Capacitance Change	Within ±25% of initial value	Dissipation Factor	Less than 200% of specified value	Leakage Current	Within specified value																						
Test Time	2,000 Hrs																														
Capacitance Change	Within ±25% of initial value																														
Dissipation Factor	Less than 200% of specified value																														
Leakage Current	Within specified value																														
Shelf Life Test	Test time: 1,000 hours; other items are the same as those for the Endurance.																														
Ripple Current & Frequency Multipliers	<table border="1"> <thead> <tr> <th rowspan="2">Cap.(μF)</th> <th colspan="6">Freq.(Hz)</th> </tr> <tr> <th>60 (50)</th> <th>120</th> <th>500</th> <th>1k</th> <th colspan="2">10k up</th> </tr> </thead> <tbody> <tr> <td>Under 47</td> <td>0.75</td> <td>1.00</td> <td>1.20</td> <td>1.30</td> <td colspan="2">1.45</td> </tr> <tr> <td>100 to 470</td> <td>0.88</td> <td>1.00</td> <td>1.10</td> <td>1.15</td> <td colspan="2">1.20</td> </tr> </tbody> </table>	Cap.(μF)	Freq.(Hz)						60 (50)	120	500	1k	10k up		Under 47	0.75	1.00	1.20	1.30	1.45		100 to 470	0.88	1.00	1.10	1.15	1.20				
Cap.(μF)	Freq.(Hz)																														
	60 (50)	120	500	1k	10k up																										
Under 47	0.75	1.00	1.20	1.30	1.45																										
100 to 470	0.88	1.00	1.10	1.15	1.20																										

## DIAGRAM OF DIMENSIONS



## LEAD SPACING AND DIAMETER Unit: mm

	4	5	6.3	8
φD	4	5	6.3	8
P	1.5	2.0	2.5	3.5
φd	0.45	0.5		
α	1.0			
β	0.5			

## DIMENSION & PERMISSIBLE RIPPLE CURRENT

Dimension: φD×L(mm)  
Ripple Current: mA/rms at 120 Hz, 105°C

μF	V. DC Contents	4V (0G)		6.3V (0J)		10V (1A)		16V (1C)		25V (1E)		35V (1V)		50V (1H)		63V (1J)	
		φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA
0.1	0R1													4×7	2	4×7	2
0.22	R22													4×7	3	4×7	3
0.33	R33													4×7	4	4×7	4.4
0.47	R47													4×7	5	4×7	7.9
1	010													4×7	10	4×7	11
2.2	2R2													4×7	15	4×7	17
3.3	3R3													4×7	18	4×7	21
4.7	4R7													4×7	22	5×7	23
10	100							4×7	25	4×7	26	5×7	30	6.3×7	34	6.3×7	40
22	220			4×7	31	4×7	32	5×7*	39	5×7	41	6.3×7	47	6.3×7	53	8×7	70
33	330	4×7	32	4×7	32	4×7	35	5×7	43	6.3×7	53	8×7	71	8×7	76		
47	470	4×7	38	4×7	38	5×7	47	6.3×7	59	6.3×7	65	8×7	83	8×7	85		
100	101	5×7	61	6.3×7	75	6.3×7	80	6.3×7	90	8×7	125	8×7	145				
220	221	6.3×7	90	6.3×7	99	8×7	140	8×7	146								
330	331	8×7	156	8×7	156	8×7	160	8×7	180								
470	471	8×7	180	8×7	180												

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Aluminium Electrolytic Capacitors - Radial Leaded](#) category:*

*Click to view products by [Lelon](#) manufacturer:*

Other Similar products are found below :

[LXY50VB4.7M-5X11](#) [RFO-100V471MJ7P#](#) [ECE-A1EGE220](#) [B41041A2687M8](#) [B41041A7226M8](#) [B41044A7157M6](#)  
[EKXG201EC3101ML20S](#) [EKZM160ETD471MHB5D](#) [NCD681K10KVY5PF](#) [NEV1000M25EF-BULK](#) [NEV100M35DC](#) [NEV100M63DE](#)  
[NEV220M25DD-BULK](#) [NEV.33M100AA](#) [NEV4700M50HB](#) [NEV.47M100AA](#) [NEVH1.0M250AB](#) [NEVH3.3M250BB](#) [NEVH3.3M450CC](#)  
[KM4700/16](#) [KME50VB100M-8X11.5](#) [SG220M1CSA-0407](#) [ES5107M016AE1DA](#) [ESMG160ETD102MJ16S](#) [ESX472M16B](#)  
[SZ010M1500A5S-1015](#) [227RZS050M](#) [476CKH100MSA](#) [UVX1V101KPA1FA](#) [UVX1V222MHA1CA](#) [KME25VB100M-6.3X11](#)  
[VTL100S10](#) [VTL470S10](#) [VTL470S16A](#) [511D336M250EK5D](#) [052687X](#) [ECE-A1CF471](#) [EKMA500ELL4R7ME07D](#) [NRE-](#)  
[S560M16V6.3X7TBSTF](#) [RGA221M1CTA-0611G](#) [ERZA630VHN182UP54N](#) [UPL1A331MPH](#) [SK035M0100AZS-0611](#) [MAL214658821E3](#)  
[NEV1000M6.3DE](#) [NEV100M16CB](#) [NEV100M50DD-BULK](#) [NEV2200M16FF](#) [NEV220M50EE](#) [NEV2.2M50AA](#)