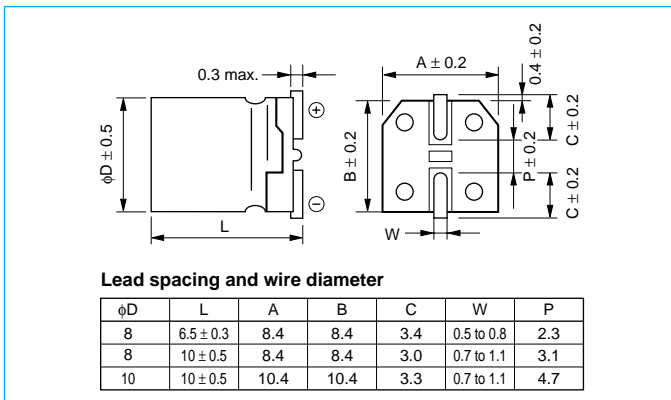


RV Vertical Chip Electrolytic Capacitors

Series RV Chip Aluminum Electrolytic Capacitors.

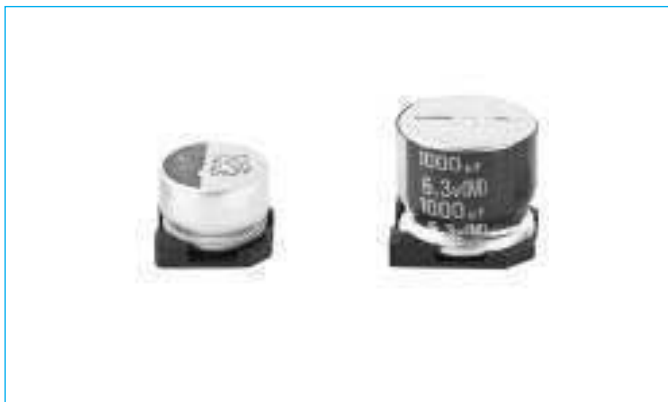
- For surface mount 85°C, large capacitance and series up to 1000µF.
- Carrier taping supplied.

Outline Drawing



Unit: mm

Photo



Specifications

No.	Item	Performance																										
1	Temperature range (°C)	-40 to +85°C																										
2	Leakage current (µA)	Less than 0.01 CV or 3 whichever is larger (after two minutes) C: Capacitance (µF), V: Voltage (V) (20°C)																										
3	Capacitance tolerance (%)	±20 (20°C, 120 Hz)																										
4	Tangent of loss angle (tan δ)	<table border="1"> <thead> <tr> <th>Rated voltage (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> </tr> </thead> <tbody> <tr> <td>tan δ</td> <td>0.28</td> <td>0.24</td> <td>0.20</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.10</td> <td>0.10</td> </tr> </tbody> </table> <p>(20°C, 120 Hz)</p>	Rated voltage (V)	6.3	10	16	25	35	50	63	100	tan δ	0.28	0.24	0.20	0.14	0.12	0.10	0.10	0.10								
Rated voltage (V)	6.3	10	16	25	35	50	63	100																				
tan δ	0.28	0.24	0.20	0.14	0.12	0.10	0.10	0.10																				
5	Stability at low temperature	<table border="1"> <thead> <tr> <th>Rated voltage (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Impedance ratio</td> <td>Z-25°C/Z+20°C</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z-40°C/Z+20°C</td> <td>8</td> <td>5</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> </tr> </tbody> </table> <p>(120 Hz)</p>	Rated voltage (V)	6.3	10	16	25	35	50	63	100	Impedance ratio	Z-25°C/Z+20°C	4	3	2	2	2	2	2	Z-40°C/Z+20°C	8	5	4	3	3	3	3
Rated voltage (V)	6.3	10	16	25	35	50	63	100																				
Impedance ratio	Z-25°C/Z+20°C	4	3	2	2	2	2	2																				
	Z-40°C/Z+20°C	8	5	4	3	3	3	3																				
6	Endurance (85°C) (Applied ripple current)	<table border="1"> <tbody> <tr> <td>Test time</td> <td>2000 hrs</td> </tr> <tr> <td>Leakage current</td> <td>Initial specified value or less</td> </tr> <tr> <td>Change in capacitance</td> <td>Within ±20% of initial value</td> </tr> <tr> <td>tan δ</td> <td>200% or less of initial specified value</td> </tr> </tbody> </table>	Test time	2000 hrs	Leakage current	Initial specified value or less	Change in capacitance	Within ±20% of initial value	tan δ	200% or less of initial specified value																		
Test time	2000 hrs																											
Leakage current	Initial specified value or less																											
Change in capacitance	Within ±20% of initial value																											
tan δ	200% or less of initial specified value																											
7	Max. storage temp. (85°C)	Test time 1000 hrs. Others have same as endurance. Voltage application treatment.																										
8	Applicable Standards	JIS C 5101-1, 5101-18 1998 (IEC 60384-1 1992, 60384-18 1993)																										

Coefficients of Frequency for Ripple Current

Rated Voltage (V)	Frequency (Hz)			
	50 • 60	120	1 k	10 k • 100 k
6.3 to 16	0.80	1	1.15	1.25
25 to 35	0.80	1	1.25	1.40
50 to 63	0.80	1	1.35	1.50
100	0.70	1	1.35	1.50

Coefficients of Temperature for Ripple Current

Temperature (°C)	+70 or less	+85
Coefficients	1.35	1

RV Vertical Chip Electrolytic Capacitors

Case size by working voltage & capacitance (in mm)

(mm)

WV(V) Cap.(μF)	6.3	10	16	25	35	50	63	100
10								8 x 10
22						8 x 6.5	8 x 10	10 x 10
33					8 x 6.5	8 x 6.5	8 x 10	10 x 10
47				8 x 6.5	8 x 6.5	8 x 10	10 x 10	
68							10 x 10	
100		8 x 6.5	8 x 6.5	8 x 6.5	8 x 10	10 x 10		
220	8 x 6.5	8 x 6.5	8 x 10	8 x 10	10 x 10			
330	8 x 6.5	8 x 10	8 x 10	10 x 10				
470	8 x 10	10 x 10	10 x 10					
1000	10 x 10							

Standard Ratings

ELNA PART NO. / WV (V)	CAP. (μF)	SIZE (φ x L) (mm)	tan δ	ESR (Ω)	Ripple Current (mArms)
6.3 V					
RV-6V221MG68-R	220	8 x 6.5	0.28	2.1	155
RV-6V331MG68-R	330	8 x 6.5	0.28	1.4	155
RV-6V471MG10-R	470	8 x 10	0.28	0.99	252
RV-6V102MH10-R	1000	10 x 10	0.28	0.46	458
10 V					
RV-10V101MG68-R	100	8 x 6.5	0.24	4.0	155
RV-10V221MG68-R	220	8 x 6.5	0.24	1.8	155
RV-10V331MG10-R	330	8 x 10	0.24	1.2	252
RV-10V471MH10-R	470	10 x 10	0.24	0.85	458
16 V					
RV-16V101MG68-R	100	8 x 6.5	0.20	3.3	155
RV-16V221MG10-R	220	8 x 10	0.20	1.5	252
RV-16V331MG10-R	330	8 x 10	0.20	1.0	252
RV-16V471MH10-R	470	10 x 10	0.20	0.71	458
25 V					
RV-25V470MG68-R	47	8 x 6.5	0.14	4.9	155
RV-25V101MG68-R	100	8 x 6.5	0.14	2.3	155
RV-25V221MG10-R	220	8 x 10	0.14	1.1	252
RV-25V331MH10-R	330	10 x 10	0.14	0.70	458

ELNA PART NO. / WV (V)	CAP. (μF)	SIZE (φ x L) (mm)	tan δ	ESR (Ω)	Ripple Current (mArms)
35 V					
RV-35V330MG68-R	33	8 x 6.5	0.12	6.0	155
RV-35V470MG68-R	47	8 x 6.5	0.12	4.2	155
RV-35V101MG10-R	100	8 x 10	0.12	2.0	252
RV-35V221MH10-R	220	10 x 10	0.12	0.91	458
50 V					
RV-50V220MG68-R	22	8 x 6.5	0.10	7.5	155
RV-50V330MG68-R	33	8 x 6.5	0.10	5.0	155
RV-50V470MG10-R	47	8 x 10	0.10	3.5	252
RV-50V101MH10-R	100	10 x 10	0.10	1.7	458
63 V					
RV-63V220MG10-R	22	8 x 10	0.10	7.5	139
RV-63V330MG10-R	33	8 x 10	0.10	5.0	139
RV-63V470MH10-R	47	10 x 10	0.10	3.5	226
RV-63V680MH10-R	68	10 x 10	0.10	2.4	226
100 V					
RV-100V100MG10-R	10	8 x 10	0.10	16.6	94
RV-100V220MH10-R	22	10 x 10	0.10	7.5	189
RV-100V330MH10-R	33	10 x 10	0.10	5.0	189

Note: ESR 120 Hz at 20°C
Allowable Ripple Current 120 Hz at 85°C

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

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

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

Other Similar products are found below :

[EEV-FK1E332W](#) [22927](#) [MAL214099813E3](#) [NRWA331M63V12.5X20TBF](#) [HUB1800-S](#) [34610](#) [RYK-50V101MG5TT-FL](#) [107AXZ016MQ5](#)
[UCX1E102MNQ1MS](#) [EMF1EM101E83D00R](#) [EMK1AM221E83D00R](#) [EMK1EM471GB0D00R](#) [EMK1VM101E83D00R](#)
[EMVY350ARA221MHA0G](#) [UV2G3R3M0810VG](#) [EMK1VM101FB0D00R](#) [RVT2A4R7M0605](#) [MAL214097402E3](#) [MAL215375471E3](#)
[MAL224699909E3](#) [MAL224699813E3](#) [MAL215099014E3](#) [MAL215099017E3](#) [MAL215099117E3](#) [MAL215099818E3](#)
[HV100M100E077ETR](#) [RC0J226M04005VR](#) [RC0J476M05005VR](#) [RC1A227M08010VR](#) [RC1V476M6L006VR](#) [35SZV10M5X5.5](#)
[MAL214099111E3](#) [EXV107M025A9HAA](#) [50SEV1M4X5.5](#) [TYEH1A336E55MTR](#) [UCX1H471MNQ1MS](#) [35SGV220M10X10.5](#)
[35SLV10M5X6.1](#) [VEJ220M1VTR-0606](#) [VES2R2M1HTR-0405](#) [50SEV10M6.3X5.5](#) [50SGV1M4X6.1](#) [107SML016M](#) [EDK226M035A9DAA](#)
[EEV-HA1A471UP](#) [SC1C476M05005VR](#) [UCX1H471MNS1MS](#) [VZH331M1ETR-0810](#) [VES101M1CTR-0605](#) [TYEH1H475E55MTR](#)