



VIKIWAT
WWW.VIKIWAT.COM

ВИКИВАТ ЕООД

Адрес: 4000, Пловдив
Ул. Мостова № 3
Телефон: (032) 643 216

Факс: (032) 643 217
E-mail: info@vikiwat.com
Web: www.vikiwat.com

Aluminum Electrolytic Capacitors

CD268

- Wide temperature range, 105°C, Load life: 1000~2000 hours, small size, large capacity
- Used in VCD, DVD, color-TV, air conditioning circuits etc.



Specifications

Items	Performance Characteristics																																							
Operating temperature range	-40°C~+105°C	-25°C~+105°C																																						
Rated voltage range	6.3V~100V	160V~450V																																						
Nominal capacitance range	0.1~10000 μ F	0.47~220 μ F																																						
Capacitance tolerance	± 20% (120Hz, +20°C)																																							
Leakage current	$I \leq 0.01CV$ $3(\mu A)$ (2 minute) (Whichever is greater)	$I \leq 0.02CV + 15 (\mu A)$ (2 minute)																																						
(tg δ) Dissipation factor (+20°C, 120Hz)	<table border="1"> <tr> <td>$U_n(V)$</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>100</td> <td>160~450</td> </tr> <tr> <td>tg δ</td> <td>0.25</td> <td>0.20</td> <td>0.17</td> <td>0.15</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> <td>0.08</td> <td>0.20</td> </tr> </table>										$U_n(V)$	6.3	10	16	25	35	50	63	100	160~450	tg δ	0.25	0.20	0.17	0.15	0.12	0.10	0.09	0.08	0.20										
	$U_n(V)$	6.3	10	16	25	35	50	63	100	160~450																														
tg δ	0.25	0.20	0.17	0.15	0.12	0.10	0.09	0.08	0.20																															
For capacitance value > 1000 μ F, add 0.02 for every increase of 1000 μ F																																								
Temperature characteristics (Impedance ratio at 120Hz)	<table border="1"> <tr> <td>$U_n(V)$</td> <td>6.3</td> <td>10</td> <td>16~50</td> <td>63~100</td> <td>160~250</td> <td>400</td> <td>450</td> <td colspan="2"></td> </tr> <tr> <td>Z-25°C / +20°C</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>≤ 6</td> <td>≤ 4</td> <td>≤ 4</td> <td colspan="2"></td> </tr> <tr> <td>Z-40°C / +20°C</td> <td>≤ 8</td> <td>≤ 6</td> <td>≤ 4</td> <td>≤ 3</td> <td>-</td> <td>-</td> <td></td> <td colspan="2"></td> </tr> </table>										$U_n(V)$	6.3	10	16~50	63~100	160~250	400	450			Z-25°C / +20°C	-	-	-	-	≤ 6	≤ 4	≤ 4			Z-40°C / +20°C	≤ 8	≤ 6	≤ 4	≤ 3	-	-			
	$U_n(V)$	6.3	10	16~50	63~100	160~250	400	450																																
	Z-25°C / +20°C	-	-	-	-	≤ 6	≤ 4	≤ 4																																
Z-40°C / +20°C	≤ 8	≤ 6	≤ 4	≤ 3	-	-																																		
Load life	After applying rated voltage for 1000 ($\geq \Phi 12.5$, 2000 hours) hours at +105°C and then resumed 16 hours: Capacitance change : ± 20% Initial measured value Leakage current : ≤ Initial specified value Dissipation factor : ≤ 2 Initial specified value																																							
Shelf life	After storage for 1000 hours at +105°C , and then resumed 16 hours: Capacitance change : ± 20% Initial measured value Leakage current : ≤ 2 Initial specified value Dissipation factor : ≤ 2 Initial specified value																																							

Case size table

Unit: mm

D	5	6	8	10	13	16	19	22
F	2.0	2.5	3.5	5.0	7.5	10		
d	0.5	0.6			0.8			

α max	(L < 20) 1.5
	(L ≥ 20) 2.0
β max	(D < 20) 0.5
	(D ≥ 20) 1.0

Miniature CD268

Miniature Aluminum Electrolytic Capacitors



CD268

Aluminum Electrolytic Capacitors

		Standard rating												Φ D x L (mm)	
Cn(μF)	UR	6.3V		10V		16V		25V		35V		50V		63V	
		Code	0J	1A	1C	1E	1V	1H	1J						
0.1	0R1											5 x 11	3		
0.22	R22											5 x 11	4		
0.33	R33											5 x 11	5		
0.47	R47											5 x 11	6		
1	010											5 x 11	9		
2.2	2R2											5 x 11	11		
3.3	3R3											5 x 11	15		
4.7	4R7											5 x 11	18	5 x 11	20
10	100					5 x 11	20	5 x 11	25	5 x 11	25	5 x 11	25	5 x 11	30
22	220					5 x 11	30	5 x 11	35	5 x 11	35	5 x 11	40	6 x 11 8 x 11	50
33	330					5 x 11	40	5 x 11	40	5 x 11	50	6 x 11 8 x 11	60	8 x 11	60
47	470			5 x 11	45	5 x 11	50	5 x 11	50	6 x 11 8 x 11	65	6 x 11 8 x 11	70	8 x 12	90
100	101	5 x 11	60	5 x 11	80	6 x 11 8 x 11	80	6 x 11 8 x 11	90	8 x 12	110	8 x 12	120	10 x 13	150
220	221	6 x 11 8 x 11	100	6 x 11 8 x 11	110	8 x 12	140	8 x 12	150	10 x 13	190	10 x 16	240	10 x 20	270
330	331	8 x 11	120	8 x 12	160	8 x 12	180	10 x 13	220	10 x 16	260	10 x 20	320	13 x 20	380
470	471	8 x 12	170	8 x 12	190	10 x 13	250	10 x 16	290	10 x 20	350	13 x 20	430	13 x 25	500
1000	103	10 x 13	300	10 x 16	360	10 x 20	440	13 x 20	540	13 x 25	620	16 x 25	790	16 x 31	900
2200	222	13 x 20	580	13 x 20	620	13 x 25	700	16 x 25	880	16 x 31	1030	19 x 35	1230	19 x 40	1310
3300	332	13 x 20	670	13 x 25	800	16 x 25	970	16 x 31	1120	19 x 35	1320	19 x 40	1400	22 x 40	1730
4700	472	16 x 25	1000	16 x 25	1050	16 x 31	1240	19 x 35	1440	19 x 40	1540	22 x 40	1780		
6800	682	16 x 25	1120	16 x 31	1300	19 x 35	1530	19 x 40	1630	22 x 40	1880				
10000	103	19 x 35	1320	19 x 35	1620	19 x 40	1730	22 x 40	2000						

		Standard rating												Φ D x L (mm)	
Cn(μF)	UR	100V		160V		200V		250V		400V		450V			
		Code	2A	2C	2D	2E	2G	2W							
0.1	0R1		5 x 11	3											
0.22	R22		5 x 11	4											
0.33	R33		5 x 11	5											
0.47	R47		5 x 11	6	5 x 11	8	8 x 11	6	8 x 11	6					
1	010		5 x 11	9	5 x 11	12	8 x 11	9	8 x 11	9	10 x 16	15			
2.2	2R2		5 x 11	15	8 x 11	15	8 x 11	15	8 x 12	15	10 x 16	20	10 x 16	29	
3.3	3R3		5 x 11	18	8 x 12	20	8 x 12	20	10 x 13	20	10 x 16 10 x 20	25	10 x 20	35	
4.7	4R7		5 x 11	20	8 x 12	25	10 x 13	30	10 x 13	30	10 x 20 13 x 20	40	13 x 20	50	
10	100	6 x 11 8 x 11	35	10 x 13	40	10 x 16	45	10 x 20	45	10 x 20 16 x 25	70	13 x 25	75		
22	220	8 x 12	65	10 x 20	70	10 x 20	70	13 x 25	80	16 x 25	110	16 x 31	110		
33	330	10 x 13	95	13 x 20	110	13 x 25	110	13 x 25	100	19 x 30	180	19 x 35	150		
47	470	10 x 16	120	13 x 25	140	13 x 25	140	16 x 25	140			22 x 40	230		
100	101	13 x 20	220	16 x 25	250	16 x 31	250	19 x 35	260						
220	221	16 x 25	420	19 x 35	430										
330	331	16 x 31	510												
470	471	19 x 31	680												
1000	102	19 x 40	1200												

Rated ripple current (mA, +105°C, 120Hz)

Miniature Aluminum Electrolytic Capacitors CD268