



LARGE CAN TYPE ALUMINUM ELECTROLYTIC CAPACITORS

VXP

VXP SERIES

105°C 5000 hours, Snap-in Terminal Type

◆ FEATURES

- Load Life : 105°C 5000 hours.



◆ SPECIFICATIONS

Items	Characteristics																																
Category Temperature Range	-40~+105°C							-25~+105°C																									
Rated Voltage Range	10~100V.DC							160~400V.DC																									
Capacitance Tolerance	±20%(20°C,120Hz)																																
Leakage Current(MAX)	I=3√CV (After 5 minutes application of rated voltage) I=Leakage Current(μA) V=Rated Voltage(V) C=Rated Capacitance(μF)																																
Dissipation Factor(MAX)	<table><tr><td>Rated Voltage(V)</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>80</td><td>100</td><td>160~250</td><td>315~400</td></tr><tr><td>tanδ</td><td>0.55</td><td>0.50</td><td>0.45</td><td>0.40</td><td>0.35</td><td>0.30</td><td>0.25</td><td>0.20</td><td>0.15</td><td>0.20</td></tr></table> (20°C,120Hz)											Rated Voltage(V)	10	16	25	35	50	63	80	100	160~250	315~400	tanδ	0.55	0.50	0.45	0.40	0.35	0.30	0.25	0.20	0.15	0.20
Rated Voltage(V)	10	16	25	35	50	63	80	100	160~250	315~400																							
tanδ	0.55	0.50	0.45	0.40	0.35	0.30	0.25	0.20	0.15	0.20																							
Impedance Ratio(MAX)	<table><tr><td>Rated Voltage(V)</td><td>10~100</td><td>160~250</td><td>315~400</td></tr><tr><td>Z(-25°C)/Z(20°C)</td><td>3</td><td>3</td><td>8</td></tr><tr><td>Z(-40°C)/Z(20°C)</td><td>12</td><td></td><td></td></tr></table> (120Hz)											Rated Voltage(V)	10~100	160~250	315~400	Z(-25°C)/Z(20°C)	3	3	8	Z(-40°C)/Z(20°C)	12												
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Z(-25°C)/Z(20°C)	3	3	8																														
Z(-40°C)/Z(20°C)	12																																
Endurance	After applying rated voltage with rated ripple current for 5000hrs at 105°C, the capacitors shall meet the following requirements. <table><tr><td>Capacitance Change</td><td>Within ±20%(For 10WV ; ±25%)of the initial value.</td></tr><tr><td>Dissipation Factor</td><td>Not more than 200% of the specified value.</td></tr><tr><td>Leakage Current</td><td>Not more than the specified value.</td></tr></table>											Capacitance Change	Within ±20%(For 10WV ; ±25%)of the initial value.	Dissipation Factor	Not more than 200% of the specified value.	Leakage Current	Not more than the specified value.																
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◆ MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Frequency(Hz)		60(50)	120	500	1k	10k≤
Coefficient	10~100WV	0.90	1.00	1.05	1.10	1.15
	160~250WV	0.80	1.00	1.20	1.30	1.50
	315~400WV	0.80	1.00	1.20	1.25	1.40

◆ PART NUMBER

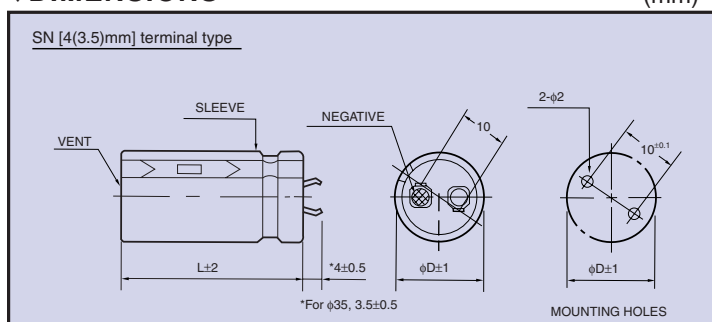
□□□	VXP	□□□□□	□	OOE	□□	DxL
Rated Voltage	Series	Rated Capacitance	Capacitance Tolerance	Option	Terminal Code	Case Size

◆ Option

	Code
without plate	OOE
with plate	Blank

◆ DIMENSIONS

(mm)



◆ STANDARD SIZE, RATED RIPPLE CURRENT

Cap(μF) WV øD	10						16									
	ø22		ø25		ø30		v35		ø22		ø25		ø30		ø35	
5600									22x25	1.44						
6800									22x30	1.66						
8200	22x25	1.36							22x30	1.79	25x25	1.67				
10000	22x30	1.65							22x35	2.08	25x30	2.07				
12000	22x35	1.85	25x25	1.82					22x40	2.36	25x35	2.37	30x25	2.13		
15000	22x40	2.12	25x30	2.11	30x25	2.14			22x45	2.69	25x40	2.72	30x30	2.54		
18000	22x45	2.40	25x35	2.32	30x30	2.37					25x45	3.06	30x35	3.02	35x30	3.09
22000			25x40	2.59	30x30	2.73					25x50	3.39	30x40	3.46	35x30	3.31
27000			25x45	3.01	30x35	3.13	35x30	3.05					30x45	3.88	35x35	3.85
33000			25x50	3.43	30x40	3.53	35x35	3.49					30x50	4.33	35x40	4.33
39000					30x45	3.78	35x40	3.96							35x45	4.96
47000					30x50	4.58	35x45	4.60							35x50	5.49
56000							35x50	5.06								

Cap(μF)	WV øD	25				35					
		ø22	ø25	ø30	ø35	ø22	ø25	ø30	ø35		
2700						22x25	1.29				
3300						22x30	1.54				
3900		22x25	1.31			22x35	1.77	25x25	1.55		
4700		22x30	1.55			22x40	2.01	25x30	1.87		
5600		22x35	1.77	25x25	1.56	22x45	2.25	25x35	2.18	30x25	1.80
6800		22x40	2.02	25x30	1.88	22x50	2.49	25x40	2.45	30x30	2.28
8200		22x45	2.27	25x35	2.18	30x25	1.92	25x45	2.80	30x35	2.69
10000		22x50	2.56	25x40	2.53	30x30	2.38			30x40	3.04
12000				25x45	2.79	30x35	2.70			30x45	3.38
15000						35x30	2.76				35x30
18000					30x40	3.13	35x30	3.00			35x35
22000					30x45	3.52	35x35	3.50			35x40
27000					30x50	3.92	35x40	3.95			35x45
						35x50	4.72				

Cap(μF)	WV øD	50				63											
		v22	ø25		ø30		ø35		ø22		ø25		ø30		ø35		
1000										22x25	1.10						
1200										22x25	1.17						
1500		22x25	1.21							22x30	1.41	25x25	1.38				
1800		22x25	1.28							22x35	1.62	25x30	1.63				
2200		22x30	1.52	25x25	1.46					22x40	1.85	25x30	1.75	30x25	1.66		
2700		22x35	1.77	25x30	1.76					22x45	2.10	25x35	2.03	30x30	2.01		
3300		22x40	2.02	25x30	1.87	30x25	1.72					25x40	2.33	30x30	2.15		
3900		22x45	2.27	25x35	2.20	30x30	2.09					25x45	2.58	30x35	2.46	35x30	2.31
4700				25x40	2.43	30x30	2.22							30x40	2.82	35x35	2.77
5600				25x45	2.72	30x35	2.58	35x30	2.35					30x45	3.22	35x40	3.20
6800						30x40	3.01	35x35	2.91							35x45	3.61
8200						30x50	3.63	35x40	3.36							35x50	3.94
10000								35x45	3.79								
12000								35x50	4.06								

Cap(μF) WV øD	80					100										
	ø22		ø25		ø30		ø35		ø22		ø25		ø30		ø35	
560									22x25	1.01						
680									22x30	1.19						
820	22x25	1.09							22x35	1.33	25x25	1.26				
1000	22x30	1.29							22x40	1.56	25x30	1.52	30x25	1.47		
1200	22x35	1.48	25x25	1.32					22x45	1.76	25x35	1.76	30x30	1.76		
1500	22x40	1.70	25x30	1.74	30x25	1.58			22x50	2.00	25x40	2.03	30x30	1.89		
1800	22x45	1.91	25x35	1.86	30x25	1.68					25x45	2.29	30x35	2.19	35x30	2.05
2200			25x45	2.22	30x30	2.02							30x40	2.52	35x35	2.48
2700					30x35	2.50	35x30	2.18					30x45	2.86	35x40	2.87
3300					30x40	2.69	35x35	2.60							35x45	3.25
3900					30x45	2.94	35x40	3.00							35x50	3.56
4700							35x45	3.44								
5600							35x50	3.72								

↑ Ripple Current (A r.m.s./120Hz-105°C)
Case Size øDxL(mm)

◆ STANDARD SIZE, RATED RIPPLE CURRENT

Cap(μF)	WV øD	160						180									
		ø22		ø25		ø30		ø35		ø22		ø25		ø30		ø35	
220	22x25	0.63								22x25	0.63						
270	22x30	0.76								22x30	0.76	25x25	0.76				
330	22x35	0.90	25x25	0.84						22x35	0.90	25x30	0.90				
390	22x35	0.97	25x30	0.97	30x25	1.00				22x40	1.03	25x35	1.06	30x25	1.02		
470	22x40	1.11	25x35	1.14	30x30	1.17				22x45	1.17	25x35	1.15	30x30	1.17		
560	22x45	1.26	25x35	1.23	30x30	1.26				22x50	1.32	25x40	1.32	30x35	1.33		
680	22x50	1.44	25x40	1.43	30x35	1.50						25x45	1.51	30x35	1.50	35x30	1.49
820			25x45	1.63	30x40	1.66	35x30	1.63				25x50	1.71	30x40	1.74	35x35	1.75
1000					30x45	1.89	35x35	1.89						30x45	2.01	35x40	2.07
1200					30x50	2.16	35x40	2.23						30x50	2.25	35x45	2.23
1500							35x45	2.61								35x50	2.76
1800							35x50	2.97									

Cap(μF)	WV øD	200						250									
		ø22		ø25		ø30		ø35		ø22		ø25		ø30		ø35	
150										22x25	0.52						
180		22x25	0.57							22x30	0.64	25x25	0.62				
220		22x30	0.70							22x35	0.76	25x30	0.76				
270		22x35	0.83	25x25	0.76					22x40	0.88	25x35	0.90	30x25	0.85		
330		22x40	0.96	25x30	0.90					22x45	1.01	25x35	0.99	30x30	1.00		
390		22x40	1.03	25x35	1.06	30x25	1.02			22x50	1.13	25x40	1.13	30x35	1.15		
470		22x45	1.17	25x40	1.22	30x30	1.17					25x45	1.29	30x35	1.28	35x30	1.24
560				25x45	1.39	30x35	1.38					25x50	1.45	30x40	1.48	35x35	1.49
680				25x50	1.58	30x40	1.61	35x30	1.49					30x45	1.71	35x40	1.74
820						30x45	1.85	35x35	1.75					30x50	1.94	35x40	1.89
1000						30x50	2.11	35x40	2.07							35x45	2.20
1200								35x45	2.38								
1500								35x50	2.76								

Cap(μF)	WV øD	315						350									
		ø22		ø25		ø30		ø35		ø22		ø25		ø30		ø35	
68	22x25	0.32								22x25	0.34						
82	22x30	0.38								22x30	0.40						
100	22x30	0.42	25x25	0.41						22x30	0.46	25x25	0.47				
120	22x35	0.48	25x30	0.49						22x35	0.52	25x30	0.53	30x25	0.53		
150	22x40	0.56	25x30	0.53	30x25	0.51				22x40	0.59	25x35	0.60	30x25	0.60		
180	22x45	0.63	25x35	0.62	30x30	0.63				22x45	0.68	25x40	0.70	30x30	0.71		
220	22x50	0.72	25x40	0.71	30x35	0.74				22x50	0.78	25x45	0.82	30x35	0.82		
270			25x45	0.81	30x40	0.85	35x30	0.75				25x50	0.94	30x40	0.93	35x30	0.90
330			25x50	0.92	30x40	0.91	35x35	0.90						30x45	1.05	35x35	1.01
390					30x45	1.04	35x40	1.05						30x50	1.18	35x40	1.13
470					30x50	1.15	35x45	1.18								35x45	1.26
560							35x50	1.34								35x50	1.39

Cap(μF) WV øD	400							
	ø22		ø25		ø30		ø35	
68	22x30	0.38						
82	22x30	0.43	25x25	0.41				
100	22x35	0.46	25x30	0.48	30x25	0.48		
120	22x40	0.53	25x35	0.55	30x30	0.56		
150	22x50	0.63	25x40	0.65	30x30	0.65		
180			25x45	0.72	30x35	0.74		
220			25x50	0.79	30x40	0.85	35x30	0.89
270					30x45	0.98	35x35	0.96
330					30x50	1.12	35x40	1.12
390							35x45	1.27
470							35x50	1.33

↑ Ripple Current (A r.m.s./120Hz·105°C)
Case Size øDxL(mm)



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