



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 colspan="2">10~100</td><td colspan="2">160~250</td><td colspan="2">315~400</td></tr><tr><td>Z(-25°C)/Z(20°C)</td><td colspan="2">3</td><td colspan="2">3</td><td colspan="2">8</td></tr><tr><td>Z(-40°C)/Z(20°C)</td><td colspan="2">12</td><td colspan="2"></td><td colspan="2"></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						
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																																
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

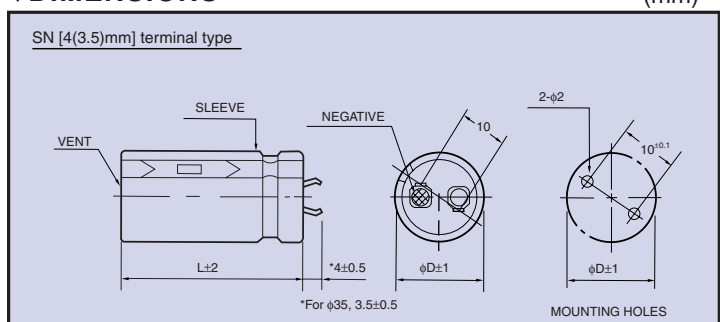
□□□	VXP	□□□□□	□	OOE	□□	DxL
Rated Voltage	Series	Rated Capacitance	Capacitance Tolerance	Option	Terminal Code	Case Size

◆ 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
6800		22x40	2.02	25x30	1.88			22x50	2.49	25x40	2.45
8200		22x45	2.27	25x35	2.18	30x25	1.92			30x30	2.28
10000		22x50	2.56	25x40	2.53	30x30	2.38			30x35	2.69
12000				25x45	2.79	30x35	2.70			30x40	3.04
15000						35x30	2.76			35x30	2.78
18000						30x40	3.13			35x35	3.30
22000						35x30	3.00			35x40	3.88
27000						30x45	3.52			35x45	4.40
						35x35	3.50				
						30x50	3.92				
						35x40	3.95				
						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)