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Rubycon **LARGE CAN TYPE ALUMINUM ELECTROLYTIC CAPACITORS** **VXH**

VXH SERIES

105℃ 5000hours, Ultra Miniaturized, Snap-in Terminal Type



◆FEATURES

- Load Life : 105℃ 5000 hours.
- Smaller size than VXG series.
- RoHS compliance.

◆SPECIFICATIONS

Items	Characteristics
Category Temperature Range	−25～+105℃
Rated Voltage Range	200～450V.DC
Capacitance Tolerance	±20%(20℃,120Hz)
Leakage Current(MAX)	$I=3\sqrt{CV}$ (After 5 minutes application of rated voltage) I=(μA) Leakage Current　C=(μF) Rated Capacitance　V=(V) Rated Voltage
(tanδ) Dissipation Factor(MAX)	Rated Voltage: 200～450; tanδ: 0.20 (20℃,120Hz)
Endurance	After applying rated voltage with rated ripple current for 5000 hours at 105℃, the capacitors shall meet the following requirements. Capacitance Change: Within ±20% of the initial value. Dissipation Factor: Not more than 200% of the specified value. Leakage Current: Not more than the specified value.
Low Temperature Stability Impedance Ration(MAX)	Rated Voltage: 200～250 / 315～450 (120Hz) Z(−25℃)/Z(20℃): 3 / 8

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency Coefficient

(Hz) Frequency		60(50)	120	500	1k	10k≦
Coefficient	200～250WV	0.80	1.00	1.20	1.30	1.50
	315～450WV	0.80	1.00	1.20	1.25	1.40

◆OPTION

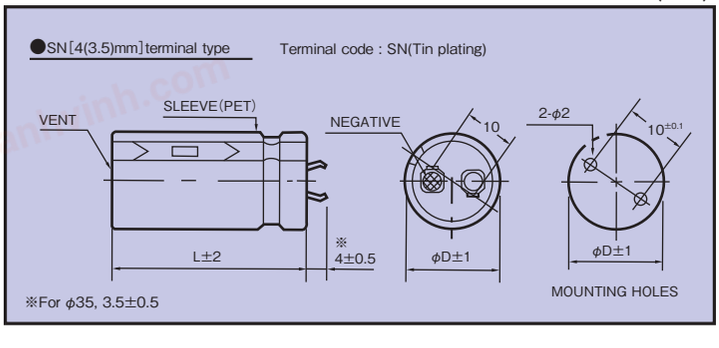
	Code
PET Sleeve without plate	EFC

◆PART NUMBER

□□□	VXH	□□□□□	M	□□□	SN	D×L
Rated Voltage	Series	Rated Capacitance	Capacitance Tolerance	Option	Terminal Code	Case Size

◆DIMENSIONS

(mm)



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◆STANDARD SIZE

WV / Cap(μF) \ φD	200								220							
	φ22		φ25		φ30		φ35		φ22		φ25		φ30		φ35	
270									22×25	1.04						
330	22×25	1.31							22×30	1.26						
390	22×30	1.32							22×30	1.47	25×25	1.21				
470	22×30	1.54	25×25	1.54					22×35	1.64	25×30	1.47				
560	22×35	1.75	25×30	1.75					22×40	1.86	25×30	1.71	30×25	1.41		
680	22×40	1.96	25×35	1.79	30×25	1.46			22×45	2.05	25×35	1.94	30×30	1.71		
820	22×50	2.15	25×40	2.03	30×30	1.77	35×25	1.59			25×40	2.16	30×30	1.99	35×25	1.89
1000			25×45	2.26	30×35	2.06	35×30	1.93			25×45	2.37	30×35	2.26	35×30	2.15
1200			25×50	2.34	30×40	2.34	35×30	2.22					30×40	2.51	35×35	2.48
1500					30×45	2.60	35×35	2.56					30×50	2.75	35×40	2.50
1800					30×50	2.85	35×40	2.85							35×45	3.04
2200							35×50	3.14								

WV / Cap(μF) \ φD	250								315							
	φ22		φ25		φ30		φ35		φ22		φ25		φ30		φ35	
150									22×25	0.82						
180									22×30	0.95						
220									22×35	1.11	25×25	0.98				
270	22×25	1.18							22×40	1.28	25×30	1.17				
330	22×30	1.37	25×25	1.14					22×45	1.45	25×35	1.35	30×25	1.19		
390	22×35	1.56	25×30	1.38					22×50	1.62	25×40	1.53	30×30	1.40	35×25	1.30
470	22×40	1.74	25×30	1.61							25×45	1.73	30×35	1.61	35×30	1.52
560	22×45	1.92	25×35	1.83	30×25	1.63					25×50	1.99	30×40	2.00	35×30	1.69
680	22×50	2.04	25×40	2.04	30×30	1.90	35×25	1.80					30×45	2.06	35×35	1.88
820			25×45	2.24	30×35	2.15	35×30	1.81					30×50	2.30	35×40	2.14
1000					30×40	2.39	35×35	2.38							35×50	2.53
1200					30×45	2.62	35×40	2.39								
1500							35×45	2.92								
1800							35×50	3.04								

WV / Cap(μF) \ φD	350								400							
	φ22		φ25		φ30		φ35		φ22		φ25		φ30		φ35	
120	22×25	0.74							22×25	0.79						
150	22×30	0.89							22×30	0.92	25×25	0.95				
180	22×35	1.03	25×25	0.91					22×35	1.05	25×30	1.10				
220	22×40	1.17	25×30	1.07					22×40	1.28	25×30	1.12	30×25	1.17		
270	22×45	1.33	25×35	1.25	30×25	1.11			22×45	1.40	25×35	1.40	30×30	1.36		
330			25×40	1.43	30×30	1.31	35×25	1.23			25×40	1.55	30×30	1.55	35×25	1.35
390			25×45	1.61	30×35	1.51	35×30	1.44			25×50	1.72	30×35	1.72	35×30	1.53
470			25×50	1.85	30×40	1.88	35×35	1.67					30×40	1.89	35×35	1.78
560					30×45	1.92	35×40	1.88					30×45	1.98	35×40	1.98
680					30×50	2.15	35×40	2.01							35×45	2.19
820							35×45	2.26							35×50	2.42

WV / Cap(μF) \ φD	420								450							
	φ22		φ22		φ30		φ35		φ22		φ25		φ30		φ35	
100	22×25	0.74							22×25	0.73						
120	22×30	0.86							22×30	0.84	25×25	0.87				
150	22×35	0.98	25×25	0.90					22×35	0.97	25×30	0.89				
180	22×40	1.09	25×30	1.05					22×40	1.08	25×30	1.03	30×25	1.08		
220	22×45	1.21	25×35	1.19	30×25	1.12			22×45	1.17	25×35	1.17	30×30	1.10	35×25	1.04
270	22×50	1.34	25×40	1.34	30×30	1.30	35×25	1.27			25×45	1.43	30×30	1.28	35×30	1.25
330			25×45	1.47	30×35	1.47	35×30	1.45			25×50	1.45	30×40	1.45	35×30	1.43
390					30×40	1.64	35×35	1.68					30×45	1.75	35×35	1.66
470					30×45	1.81	35×35	1.71					30×50	1.85	35×40	1.85
560					30×50	2.07	35×40	2.07							35×45	2.04
680							35×50	2.43								

Ripple Current (A r.m.s./120Hz, 105℃)

Case Size φD×L(mm)