VXH SERIES

105℃ 5000 hours, Miniaturized

•Load Life : 105℃ 5000 hours.

RoHS compliance



◆SPECIFICATIONS

Items	Characteristics
Category Temperature Range	−25～+105℃
Rated Voltage Range	200～450Vdc
Capacitance Tolerance	±20%(20℃,120Hz)
Leakage Current(MAX)	I=3 $\sqrt{CV}$ (After 5 minutes application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(Vdc)
Dissipation Factor(MAX) (tanδ)	0.2 (20℃,120Hz)
Endurance	After applying rated voltage with rated ripple current for 5000 hours at 105℃, the capacitors shall meet the following requirements.
Low Temperature Stability Impedance Ratio(MAX)	(120Hz)

Endurance:

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 Ratio(MAX):

Rated Voltage (Vdc)	200～250	315～450
Z(−25℃)/Z(20℃)	3	8

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)		60(50)	120(100)	300	500	1k	10k≦
Coefficient	200～250Vdc	0.80	1.00	1.15	1.20	1.30	1.50
	315～450Vdc	0.80	1.00	1.15	1.20	1.25	1.40

◆OPTION

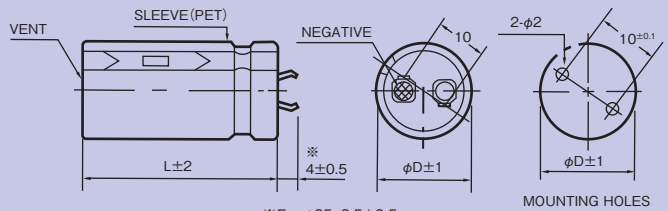
	Code
PET Sleeve without plate	EFC

◆PART NUMBER

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

◆DIMENSIONS (mm)

●SN[4(3.5)mm]terminal type Terminal code : SN(Tin plating)



※For φ35, 3.5±0.5

◆STANDARD SIZE

Vdc / Cap(μF) \ φD	200								220							
	φ22		φ25		φ30		φ35		φ22		φ25		φ30		φ35	
270									22×25	1.33						
330	22×25	1.41							22×30	1.55						
390	22×30	1.63							22×30	1.63	25×25	1.50				
470	22×30	1.72	25×25	1.57					22×35	1.85	25×30	1.76				
560	22×35	1.95	25×30	1.84					22×40	2.08	25×30	1.83	30×25	1.64		
680	22×40	2.22	25×35	2.11	30×25	1.69			22×45	2.34	25×35	2.10	30×30	1.94		
820	22×50	2.60	25×40	2.37	30×30	2.01	35×25	1.68	22×55	2.73	25×40	2.35	30×30	1.99	35×25	1.89
1000	22×60	3.00	25×45	2.63	30×35	2.30	35×30	2.02			25×45	2.65	30×35	2.26	35×30	2.15
1200			25×50	2.88	30×40	2.55	35×30	2.22			25×60	3.19	30×40	2.53	35×35	2.48
1500					30×45	2.80	35×35	2.56					30×50	2.97	35×40	2.50
1800					30×50	3.08	35×40	2.85					30×60	3.43	35×45	3.04
2200							35×50	3.14							35×55	3.18
2700							35×60	3.49								

Vdc / Cap(μF) \ φD	250								315							
	φ22		φ25		φ30		φ35		φ22		φ25		φ30		φ35	
150									22×25	1.00						
180									22×30	1.14						
220									22×35	1.31	25×25	1.20				
270	22×25	1.32							22×40	1.49	25×30	1.39				
330	22×30	1.54	25×25	1.45					22×45	1.69	25×35	1.59	30×25	1.41		
390	22×35	1.75	25×30	1.68					22×50	1.87	25×40	1.78	30×30	1.63	35×25	1.48
470	22×40	1.97	25×30	1.75					22×55	2.09	25×45	1.99	30×35	1.86	35×30	1.74
560	22×45	2.20	25×35	1.99	30×25	1.63			22×60	2.29	25×50	2.21	30×40	2.08	35×30	1.76
680	22×50	2.45	25×40	2.25	30×30	1.92	35×25	1.80			25×55	2.44	30×45	2.32	35×35	2.01
820	22×60	2.81	25×45	2.49	30×35	2.19	35×30	1.94			25×60	2.68	30×50	2.55	35×40	2.26
1000			25×55	2.91	30×40	2.44	35×35	2.38					30×55	2.78	35×50	2.70
1200					30×45	2.68	35×40	2.47					30×60	3.01	35×55	2.92
1500					30×55	3.15	35×45	2.92							35×60	3.12
1800							35×50	3.04								
2200							35×60	3.37								

Vdc / Cap(μF) \ φD	350								385							
	φ22		φ25		φ30		φ35		φ22		φ25		φ30		φ35	
120	22×25	0.92							22×25	0.93						
150	22×30	1.08							22×30	1.08						
180	22×35	1.22	25×25	1.13					22×30	1.17	25×25	1.13				
220	22×40	1.39	25×30	1.30					22×35	1.33	25×30	1.31				
270	22×45	1.57	25×35	1.49	30×25	1.34			22×45	1.58	25×35	1.50	30×25	1.33		
330	22×50	1.77	25×40	1.69	30×30	1.56	35×25	1.42	22×50	1.78	25×40	1.70	30×30	1.55	35×25	1.40
390	22×55	1.96	25×45	1.88	30×35	1.77	35×30	1.66	22×60	2.03	25×45	1.88	30×35	1.76	35×30	1.64
470	22×60	2.17	25×50	2.09	30×40	1.99	35×35	1.90			25×55	2.18	30×40	1.97	35×35	1.87
560			25×55	2.30	30×45	2.20	35×40	2.13			25×60	2.39	30×45	2.18	35×35	1.89
680					30×50	2.43	35×40	2.17					30×50	2.40	35×40	2.12
820					30×55	2.65	35×45	2.39					30×60	2.76	35×50	2.53
1000							35×50	2.61							35×55	2.74
1200							35×60	3.01								

Vdc / Cap(μF) \ φD	400								420							
	φ22		φ25		φ30		φ35		φ22		φ25		φ30		φ35	
100									22×25	0.85						
120	22×25	0.91							22×30	0.97						
150	22×30	1.06	25×25	1.04					22×35	1.12	25×25	1.03				
180	22×35	1.21	25×30	1.19					22×40	1.26	25×30	1.19				
220	22×40	1.37	25×30	1.28	30×25	1.25			22×45	1.43	25×35	1.36	30×25	1.23		
270	22×45	1.56	25×35	1.47	30×30	1.45			22×50	1.61	25×40	1.55	30×30	1.44	35×25	1.32
330	22×55	1.81	25×40	1.66	30×30	1.55	35×25	1.36	22×60	1.86	25×45	1.74	30×35	1.64	35×30	1.55
390			25×50	1.93	30×35	1.72	35×30	1.61			25×55	2.00	30×40	1.83	35×35	1.76
470			25×55	2.14	30×40	1.93	35×35	1.83			25×60	2.20	30×45	2.04	35×35	1.80
560					30×45	2.13	35×40	2.04					30×50	2.24	35×40	2.07
680					30×55	2.48	35×45	2.26					30×60	2.57	35×50	2.43
820							35×50	2.47							35×55	2.60
1000							35×60	2.85								

Vdc / Cap(μF) \ φD	450							
	φ22		φ25		φ30		φ35	
100	22×25	0.85						
120	22×30	0.98	25×25	0.96				
150	22×35	1.13	25×30	1.12				
180	22×40	1.27	25×30	1.19	30×25	1.17		
220	22×45	1.44	25×35	1.37	30×30	1.36	35×25	1.27
270	22×55	1.68	25×45	1.62	30×30	1.43	35×30	1.48
330			25×50	1.82	30×40	1.75	35×30	1.53
390			25×55	2.00	30×45	1.93	35×35	1.74
470					30×50	2.14	35×40	1.95
560					30×55	2.36	35×45	2.16
680							35×50	2.41

Ripple Current (A r.m.s./120Hz, 105℃)

Case Size φD×L(mm)