Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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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

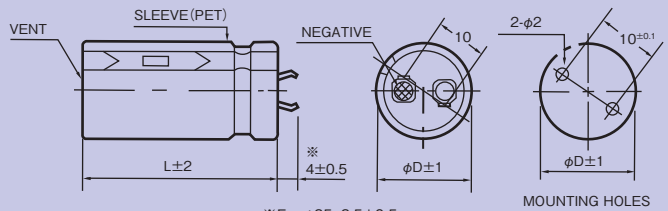
	Code
PET Sleeve without plate	EFC

◆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)