

VXH SERIES

105°C 5000hours, Ultra Miniaturized, Snap-in Terminal Type

◆FEATURES

- Load Life : 105°C 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√CV (After 5 minutes application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(V)											
Dissipation Factor(MAX) (tanδ)	<table><tr><td>Rated Voltage (V)</td><td>200~450</td></tr><tr><td>tanδ</td><td>0.20</td></tr></table>	Rated Voltage (V)	200~450	tanδ	0.20	(20℃,120Hz)						
Rated Voltage (V)	200~450											
tanδ	0.20											
Endurance	After applying rated voltage with rated ripple current for 5000 hours at 105℃, the capacitors shall meet the following requirements. <table><tr><td>Capacitance Change</td><td colspan="2">Within ±20% of the initial value.</td></tr><tr><td>Dissipation Factor</td><td colspan="2">Not more than 200% of the specified value.</td></tr><tr><td>Leakage Current</td><td colspan="2">Not more than the specified value.</td></tr></table>			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.	
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)	<table><tr><td>Rated Voltage (V)</td><td>200~250</td><td>315~450</td></tr><tr><td>Z(-25℃)/Z(20℃)</td><td>3</td><td>8</td></tr></table>	Rated Voltage (V)	200~250	315~450	Z(-25℃)/Z(20℃)	3	8	(120Hz)				
Rated Voltage (V)	200~250	315~450										
Z(-25℃)/Z(20℃)	3	8										

◆MULTIPLIER FOR RIPPLE CURRENT

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

◆OPTION

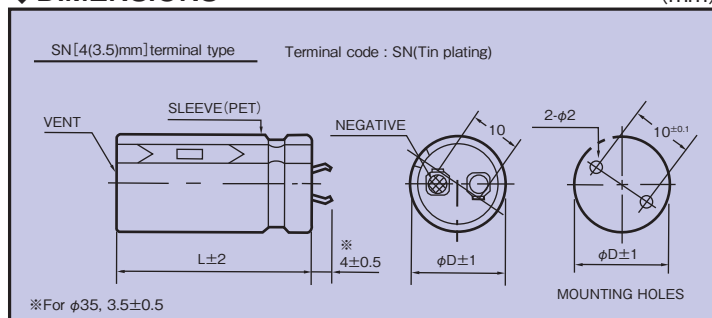
	Code
PET Sleeve without plate	EFC

◆PART NUMBER

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

◆DIMENSIONS

(mm)



◆STANDARD SIZE

Cap(μF) V.DC 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				

Cap(μF) V.DC 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				

Cap(μF) V.DC 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

Cap(μF) V.DC φD	420				450			
	φ22	φ25	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°C)
Case Size φD×L(mm)