

VXK SERIES

NEW

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

◆FEATURES

- Load Life : 105°C 5000 hours.
- Smaller size than VXH series.
- RoHS compliance.



◆SPECIFICATIONS

Items	Characteristics		
Category Temperature Range	-25~+105℃		
Rated Voltage Range	400~450Vdc		
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(Vdc)		
(tanδ) Dissipation Factor(MAX)	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.		
	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)	400~450	(120Hz)
	Z(-25℃)/Z(20℃)	8	

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)	60(50)	120(100)	300	500	1k	10k≤
Coefficient	0.80	1.00	1.15	1.20	1.25	1.40

◆OPTION

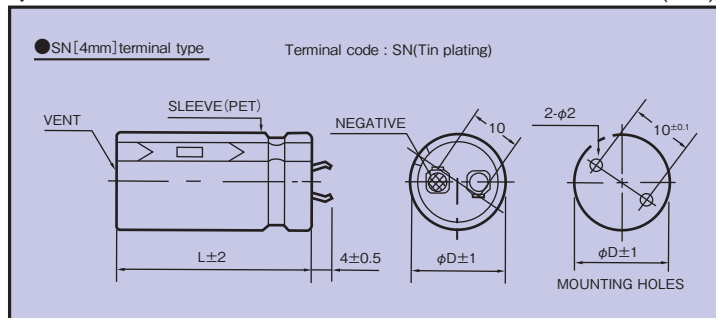
	Code
PET Sleeve without plate	EFC

◆PART NUMBER

	VXK		M		SN	DxL
Rated Voltage	Series	Capacitance	Capacitance Tolerance	Option	Terminal Code	Case Size

◆DIMENSIONS

(mm)



◆STANDARD SIZE

Cap(μF) φD	Vdc	400							
	φ22		φ25		φ30		φ35		
150	22×25	1.01							
180	22×30	1.17	25×25	1.13					
220	22×35	1.33	25×30	1.31					
270	22×40	1.52	25×35	1.50	30×25	1.33			
330	22×50	1.78	25×40	1.70	30×30	1.55			
390	22×55	1.97	25×45	1.89	30×30	1.60	35×25	1.43	
470			25×50	2.10	30×35	1.82	35×30	1.68	
560			25×55	2.31	30×40	2.04	35×35	1.92	
680					30×50	2.42	35×40	2.15	
820					30×55	2.64	35×45	2.37	
1000							35×50	2.58	
1200							35×60	2.95	

Cap(μF)	Vdc φD	420							
		φ22		φ25		φ30		φ35	
120		22×25	0.92						
150		22×30	1.08						
180		22×35	1.23	25×25	1.12				
220		22×40	1.40	25×30	1.30				
270		22×45	1.58	25×35	1.49	30×25	1.32		
330		22×50	1.78	25×40	1.69	30×30	1.54	35×25	1.40
390		22×60	2.02	25×45	1.88	30×35	1.75	35×30	1.64
470				25×55	2.17	30×40	1.96	35×35	1.85
560						30×50	2.29	35×40	2.07
680						30×55	2.51	35×45	2.29
820								35×50	2.50
1000								35×60	2.89

Cap(μF)	Vdc	450							
		φ22		φ25		φ30		φ35	
120		22×25	0.93						
150		22×30	1.09	25×25	1.06				
180		22×35	1.24	25×30	1.22				
220		22×40	1.41	25×35	1.39	30×25	1.26		
270		22×50	1.65	25×40	1.58	30×30	1.46	35×25	1.35
330		22×55	1.85	25×45	1.78	30×35	1.67	35×30	1.58
390				25×50	1.97	30×40	1.87	35×30	1.61
470				25×60	2.26	30×45	2.08	35×35	1.84
560						30×50	2.29	35×40	2.06
680						30×60	2.63	35×45	2.28
820								35×55	2.66

↑ Ripple Current (A r.m.s./120Hz, 105°C)
 ↑ Case Size φD×L(mm)