

### VXG SERIES

### NEW

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

#### ◆ FEATURES

- Load Life : 105°C 5000 hours.
- Smaller size with higher ripple current endurance than VXP series.



#### ◆ SPECIFICATIONS

Items	Characteristics		
Category Temperature Range	-25~+105°C		
Rated Voltage Range	200~400V.DC		
Capacitance Tolerance	±20%(20°C,120Hz)		
Leakage Current(MAX)	$I=3\sqrt{CV}$ (After 5 minutes application of rated voltage) I=Leakage Current(µA)    V=Rated Voltage(V)    C=Rated Capacitance(µF)		
Dissipation Factor(MAX)	Rated Voltage(V)	200~250VV	400~450VV
	tanδ	0.20	0.20
Impedance Ratio(MAX)	Rated Voltage(V)	200~250VV	400~450VV
	Z(-25°C)/Z(20°C)	3	8
Endurance	After applying rated voltage with rated ripple current for 5000hrs at 105°C, 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.	

#### ◆ MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

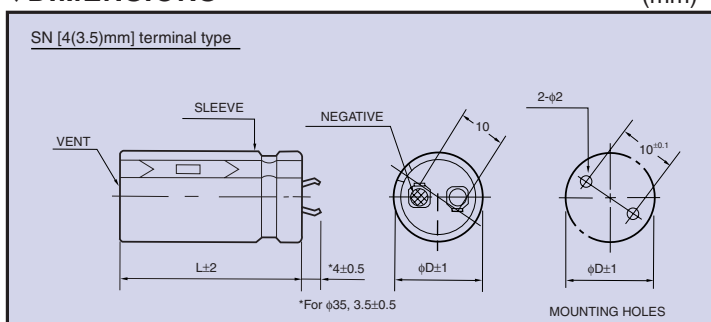
Frequency(Hz)		60	120	500	1k	10k≤
Coefficient	200~250VV	0.80	1.00	1.20	1.30	1.50
	400~450VV	0.80	1.00	1.20	1.25	1.40

#### ◆ PART NUMBER

   VXG                EFC         DxL  
 Rated Voltage    Series    Rated Capacitance    Capacitance Tolerance    Option    Terminal Code    Case Size

#### ◆ DIMENSIONS

(mm)



### ◆ STANDARD SIZE, RATED RIPPLE CURRENT

Cap(μF)	WV ∅D	200				220			
		∅22	∅25	∅30	∅35	∅22	∅25	∅30	∅35
270	22x25	1.09				22x25	1.04		
330	22x30	1.31				22x30	1.26		
390	22x30	1.32	25x25 1.27			22x35	1.47	25x25 1.21	
470	22x35	1.54	25x30 1.54			22x40	1.64	25x30 1.47	
560	22x40	1.75	25x30 1.54			22x45	1.86	25x35 1.71	30x25 1.41
680	22x45	1.96	25x35 1.79	30x25 1.46		22x50	2.05	25x40 1.94	30x30 1.71 35x25 1.54
820	22x50	2.15	25x40 2.03	30x30 1.77	35x25 1.59		25x45 2.16	30x35 1.99	35x30 1.89
1000			25x45 2.26	30x35 2.06	35x30 1.93		25x50 2.37	30x40 2.26	35x35 2.15
1200				30x40 2.34	35x35 2.22			30x45 2.51	35x40 2.48
1500				30x45 2.60	35x40 2.56			30x50 2.75	35x40 2.50
1800					35x45 2.85				35x50 3.04
2200					35x50 3.14				

Cap(μF)	WV ∅D	250			
		∅22	∅25	∅30	∅35
220	22x25	0.97			
270	22x30	1.18			
330	22x35	1.37	25x25 1.14		
390	22x40	1.56	25x30 1.38		
470	22x45	1.74	25x35 1.61	30x25 1.34	
560	22x50	1.92	25x40 1.83	30x30 1.63	35x25 1.48
680			25x45 2.04	30x35 1.90	35x30 1.80
820			25x50 2.24	30x40 2.15	35x30 1.81
1000				30x45 2.39	35x35 2.38
1200				30x50 2.62	35x40 2.39
1500					35x50 2.92

Cap(μF)	WV ∅D	400				420			
		∅22	∅25	∅30	∅35	∅22	∅25	∅30	∅35
82	22x25	0.64				22x25	0.61		
100	22x30	0.74				22x30	0.74		
120	22x30	0.79	25x25 0.79			22x35	0.86	25x25 0.75	
150	22x35	0.92	25x30 0.95			22x40	0.98	25x30 0.90	
180	22x40	1.05	25x35 1.10	30x25 0.97		22x45	1.09	25x35 1.05	30x25 0.93
220	22x50	1.28	25x35 1.12	30x30 1.17	35x25 1.10	22x50	1.21	25x40 1.19	30x30 1.12 35x25 1.05
270			25x45 1.40	30x35 1.36	35x30 1.33		25x45 1.34	30x35 1.30	35x30 1.27
330			25x50 1.55	30x40 1.55	35x30 1.35			30x40 1.47	35x35 1.45
390				30x45 1.72	35x35 1.53			30x45 1.64	35x40 1.68
470				30x50 1.89	35x40 1.78			30x50 1.81	35x40 1.71
560					35x45 1.98				35x50 2.07
680					35x50 2.19				

Cap(μF)	WV ∅D	450			
		∅22	∅25	∅30	∅35
82	22x25	0.60			
100	22x30	0.73	25x25 0.72		
120	22x35	0.84	25x30 0.87		
150	22x40	0.97	25x30 0.89	30x25 0.90	
180	22x45	1.08	25x35 1.03	30x30 1.08	
220			25x40 1.17	30x30 1.10	35x25 1.04
270			25x50 1.43	30x35 1.28	35x30 1.25
330				30x45 1.45	35x35 1.43
390				30x50 1.75	35x40 1.66
470					35x45 1.85
560					35x50 2.04

↑ Ripple Current (A r.m.s./120Hz-105°C)  
Case Size ∅DxL(mm)