

HFG SERIES

NEW

105°C High Capacitance, High Ripple Current, 4-pin Snap-in Terminal Type

◆FEATURES

- Load Life : 105°C 5000 hours.
- Higher capacitance and longer lifetime than HXG series.
- RoHS compliance.



◆SPECIFICATIONS

Items	Characteristics		
Category Temperature Range	-25~+105℃		
Rated Voltage Range	350~450Vdc		
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)	350~450	(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

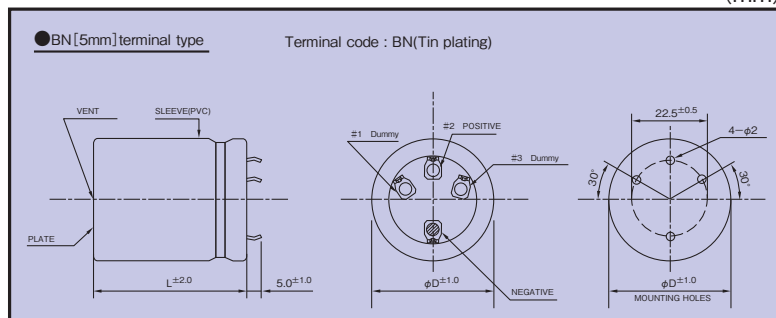
	Code
PVC Sleeve with plate	Blank

◆PART NUMBER

□□□	HFG	□□□□□	M	□□□	BN	D×L
Rated Voltage	Series	Capacitance	Capacitance Tolerance	Option	Terminal Code	Case Size

◆DIMENSIONS

(mm)



◆STANDARD SIZE

Cap(μF) Vdc φD	350					
	φ35		φ40		φ45	
560	35×50	3.05				
680	35×55	3.35				
820	35×60	3.64	40×50	3.46		
1000	35×70	4.12	40×60	4.05	45×50	3.71
1200	35×80	4.58	40×65	4.33	45×55	4.01
1500	35×95	5.22	40×80	5.11	45×65	4.62
1800			40×90	5.59	45×75	5.19
2200					45×85	5.69
2700					45×100	6.43

Cap(μF) Vdc φD	400					
	φ35		φ40		φ45	
560	35×50	3.03				
680	35×60	3.50	40×50	3.38		
820	35×65	3.78	40×55	3.69		
1000	35×75	4.25	40×65	4.24	45×50	3.61
1200	35×95	4.97	40×75	4.75	45×60	4.26
1500			40×90	5.40	45×70	4.83
1800					45×80	5.36
2200					45×100	6.30

Cap(μF) Vdc φD	420					
	φ35		φ40		φ45	
470	35×50	2.85				
560	35×55	3.12	40×50	3.22		
680	35×65	3.57	40×55	3.52		
820	35×75	4.00	40×60	3.81	45×50	3.52
1000	35×85	4.44	40×70	4.32	45×60	4.13
1200	35×100	5.00	40×80	4.80	45×65	4.40
1500			40×95	5.48	45×80	5.21
1800					45×90	5.70

Cap(μF) Vdc φD	450					
	φ35		φ40		φ45	
390	35×50	2.76				
470	35×55	3.03				
560	35×60	3.30	40×50	3.14		
680	35×70	3.76	40×60	3.66	45×50	3.41
820	35×80	4.20	40×70	4.18	45×55	3.71
1000	35×95	4.78	40×75	4.47	45×65	4.34
1200			40×90	5.12	45×70	4.59
1500					45×85	5.36
1800					45×100	6.08

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