

HFG SERIES

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

*Load Life : 105°C 5000 hours.



SPECIFICATIONS

Items	Characteristics						
Category Temperature Range	-25~+105°C						
Rated Voltage Range	350~450Vdc						
Capacitance Tolerance	±20% (20°C, 120Hz)						
Leakage Current(MAX)	$I=3\sqrt{CV}$ (After 5 minutes application of rated voltage) I =Leakage Current(μ A) C =Capacitance(μ F) V =Rated Voltage(Vdc)						
Dissipation Factor(MAX) (tan δ)	0.2 (20°C, 120Hz)						
Endurance	After applying rated voltage with rated ripple current for 5000 hours at 105°C, the capacitors shall meet the following requirements. <table border="1" style="margin-left: 20px;"> <tr> <td>Capacitance Change</td> <td>Within ±20% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>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 border="1" style="margin-left: 20px;"> <tr> <td>Rated Voltage (Vdc)</td> <td>350~450</td> <td>(120Hz)</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>8</td> <td></td> </tr> </table>	Rated Voltage (Vdc)	350~450	(120Hz)	Z(-25°C)/Z(20°C)	8	
Rated Voltage (Vdc)	350~450	(120Hz)					
Z(-25°C)/Z(20°C)	8						

MULTIPLIER FOR RIPPLE CURRENT

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

OPTION

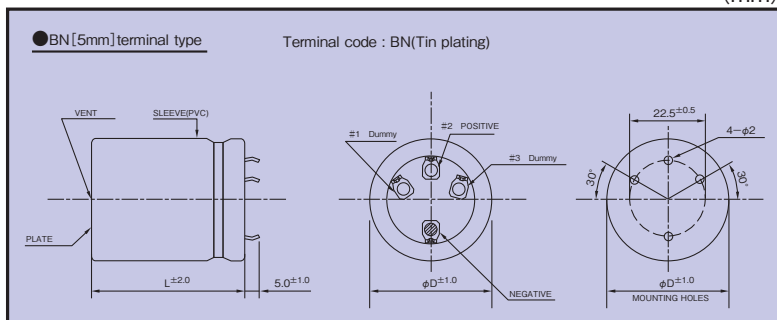
	Code
PVC Sleeve with plate	Blank

PART NUMBER

□□□ / HFG / □□□□□ / M / □□□ / BN / DxL
 Rated Voltage Series Capacitance Capacitance Tolerance Option Terminal Code Case Size

DIMENSIONS

(mm)



◆ STANDARD SIZE

Cap(μF)	Vdc		350			
	φD		φ35	φ40	φ45	
560			35×50			
680			35×55			
820			35×60	40×50	3.46	
1000			35×70	40×60	4.05	45×50 3.71
1200			35×80	40×65	4.33	45×55 4.01
1500			35×95	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		400			
	φD		φ35	φ40	φ45	
560			35×50			
680			35×60	40×50	3.38	
820			35×65	40×55	3.69	
1000			35×75	40×65	4.24	45×50 3.61
1200			35×95	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		420			
	φD		φ35	φ40	φ45	
470			35×50			
560			35×55	40×50	3.22	
680			35×65	40×55	3.52	
820			35×75	40×60	3.81	45×50 3.52
1000			35×85	40×70	4.32	45×60 4.13
1200			35×100	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		450			
	φD		φ35	φ40	φ45	
390			35×50			
470			35×55			
560			35×60	40×50	3.14	
680			35×70	40×60	3.66	45×50 3.41
820			35×80	40×70	4.18	45×55 3.71
1000			35×95	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)

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