

UFG SERIES

NEW

85°C High Capacitance, 4-pin Snap-in Terminal Type

◆FEATURES

- Load Life : 85°C 10000 hours.
- Higher capacitance and longer lifetime than USG series.
- RoHS compliance.



◆SPECIFICATIONS

Items	Characteristics		
Category Temperature Range	-25~+85℃		
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 10000 hours at 85℃, 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

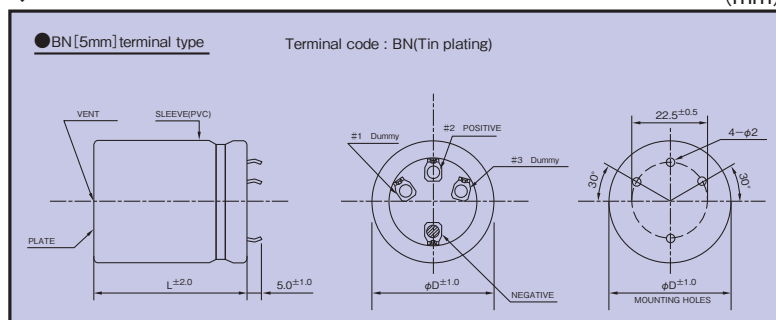
	Code
PVC Sleeve with plate	Blank

◆PART NUMBER

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

◆DIMENSIONS

(mm)



◆ STANDARD SIZE

Cap (μ F)	Vdc		350			
	ϕ D		ϕ 35		ϕ 40	
680	35	50	4.02			
820	35	55	4.41	40	4.53	
1000	35	65	5.04	40	4.95	
1200	35	75	5.65	40	5.35	45
1500	35	95	6.64	40	6.08	45
1800				40	7.23	45
2200						45
2700						45

Cap (μ F)	Vdc		400			
	ϕ D		ϕ 35		ϕ 40	
560	35	50	3.83			
680	35	60	4.42	40	4.33	
820	35	65	4.80	40	4.72	45
1000	35	80	5.58	40	5.42	45
1200	35	90	6.15	40	6.08	45
1500				40	7.00	45
1800						45
2200						45

Cap (μ F)	Vdc		420			
	ϕ D		ϕ 35		ϕ 40	
560	35	50	3.77			
680	35	60	4.35	40	4.28	
820	35	65	4.73	40	4.68	
1000	35	80	5.49	40	5.36	45
1200	35	95	6.20	40	6.02	45
1500				40	6.88	45
1800						45
2200						45

Cap (μ F)	Vdc		450			
	ϕ D		ϕ 35		ϕ 40	
470	35	50	3.61			
560	35	55	3.96	40	4.11	
680	35	65	4.52	40	4.51	
820	35	75	5.06	40	4.90	45
1000	35	85	5.63	40	5.56	45
1200	35	100	6.34	40	6.19	45
1500				40	7.07	45
1800						45

Case Size ϕ D $\times$ L(mm)

Ripple Current (A r.m.s./120Hz, 85°C)