UFG SERIES NEW

85℃ High Capacitance, 4-pin Snap-in Terminal Type



◆FEATURES

- Load Life : 85℃ 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 $\sqrt{CV}$ (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 Z(−25℃)/Z(20℃): 8 (120Hz)

◆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

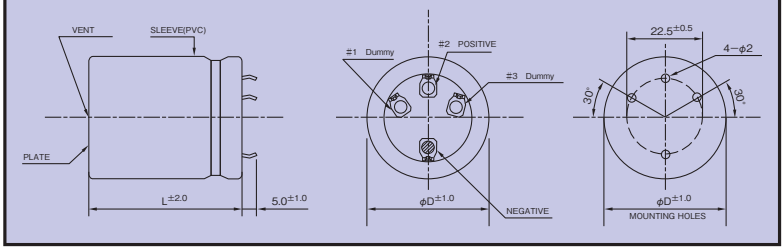
◆PART NUMBER

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

◆DIMENSIONS (mm)

●BN[5mm]terminal type

Terminal code : BN(Tin plating)



◆STANDARD SIZE

Cap (μF) \ Vdc / φD	350					
	φ35		φ40		φ45	
680	35×50	4.02				
820	35×55	4.41	40×50	4.53		
1000	35×65	5.04	40×55	4.95		
1200	35×75	5.65	40×60	5.35	45×50	4.92
1500	35×95	6.64	40×70	6.08	45×60	5.78
1800			40×90	7.23	45×65	6.14
2200					45×85	7.48
2700					45×100	8.47

Cap (μF) \ Vdc / φD	400					
	φ35		φ40		φ45	
560	35×50	3.83				
680	35×60	4.42	40×50	4.33		
820	35×65	4.80	40×55	4.72	45×50	4.74
1000	35×80	5.58	40×65	5.42	45×55	5.15
1200	35×90	6.15	40×75	6.08	45×60	5.54
1500			40×90	7.00	45×70	6.28
1800					45×80	6.98
2200					45×95	7.98

Cap (μF) \ Vdc / φD	420					
	φ35		φ40		φ45	
560	35×50	3.77				
680	35×60	4.35	40×50	4.28		
820	35×65	4.73	40×55	4.68		
1000	35×80	5.49	40×65	5.36	45×50	4.70
1200	35×95	6.20	40×75	6.02	45×60	5.52
1500			40×90	6.88	45×70	6.26
1800					45×85	7.22
2200					45×100	8.18

Cap (μF) \ Vdc / φD	450					
	φ35		φ40		φ45	
470	35×50	3.61				
560	35×55	3.96	40×50	4.11		
680	35×65	4.52	40×55	4.51		
820	35×75	5.06	40×60	4.90	45×50	4.60
1000	35×85	5.63	40×70	5.56	45×60	5.38
1200	35×100	6.34	40×80	6.19	45×65	5.76
1500			40×95	7.07	45×80	6.81
1800					45×90	7.46

Ripple Current (A r.m.s./120Hz, 85℃)

Case Size φD×L(mm)