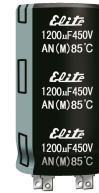




## AN Series

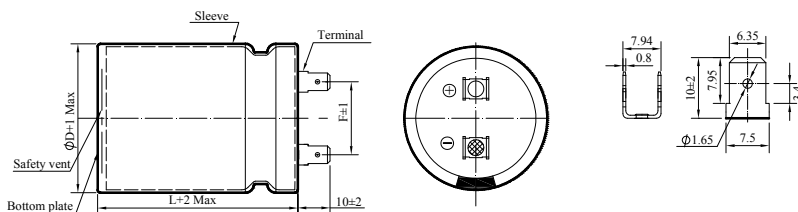
- Load life 3,000 hours 85°C



### SPECIFICATIONS

Item	Performance Characteristics			
Category Temperature Range	-25 ~ +85°C			
Working Voltage Range	400 ~ 450Vdc			
Capacitance Range	800 ~ 3,300μF			
Capacitance Tolerance	±20% (at 25°C and 120Hz)			
Dissipation Factor (tanδ) (at 25°C, 120Hz)	Rated Voltage (V)	400	420	450
	tanδ(Max)	0.15	0.15	0.15
Leakage Current	$I < \sqrt{CV}$ or 3000μA, whichever is smaller I : Leakage current (μA) C : Rated capacitance (μF) V : Rated voltage (V) Impress the rated voltage for 5 minutes			
Low Temperature Characteristics Impedance Ratio(MAX)	Rated voltage (V)	400 ~ 450		
	Z(-25°C)/Z(+20°C)	8		
Endurance	The following specifications shall be satisfied when the capacitors are restored to 25°C after subjected to DC voltage with the rated ripple current is applied for 3,000 hours at 85°C.			
	Capacitance change	≒ ±20% of the initial value		
	Dissipation factor(tanδ)	≒ 200% of the specified value		
Shelf Life	The following requirements shall be satisfied when the capacitor are restored to 25°C after the rated voltage applied for 1,000 hours at 85°C without voltage applied.			
	Capacitance change	≒ ±20% of the initial value		
	Dissipation factor(tanδ)	≒ 200% of the specified value		
Leakage current	≒ 200% of the specified value			
	Others			
Conforms to JIS-C-5101-4 (1998), characteristic W				

### DIMENSIONS (mm)



ΦD	35	40	51	64
F±1	14	14	20	25

### PART NUMBER SYSTEM( Example : 450V 1800μF )

A N 2 W 1 8 2 M A C 5 1 A 0

Special Request

Size code (51A0:51×100)

Terminal code

Capacitance tolerance code (M:±20%)

Capacitance code (1800μF)

Voltage code (450V)

Series code (AN)



# AN Series

◆ Case size & Permissible rated ripple current (mA rms) 120Hz / 85°C

Vdc uF ΦD	400							
	Φ35		Φ40		Φ51		Φ64	
	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC
800	35×80	3200						
900	35×90	3600						
1000	35×100	4000						
1200			40×100	4200				
1300			40×100	4900				
1500			40×120	5600				
1800					51×90	6050		
2000					51×100	6200		
2200					51×120	6500		
2500					51×120	6800	64×100	6800
2700							64×100	7300
2900							64×100	7850
3300							64×120	8100

Vdc uF ΦD	420							
	Φ35		Φ40		Φ51		Φ64	
	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC
800	35×90	3350						
900	35×100	3750						
1000	35×100	4200						
1200			40×120	4400				
1300			40×120	5100				
1500					51×100	5850		
1800					51×100	6350		
2000					51×120	6500		
2200					51×120	6800	64×100	6800
2500							64×100	7150
2700							64×120	7650
2900							64×120	8200

Vdc uF ΦD	450							
	Φ35		Φ40		Φ51		Φ64	
	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC
800	35×90	3000						
900	35×100	3400						
1000			40×100	3750				
1200			40×120	3950				
1300					51×90	4600		
1500					51×100	5250		
1800					51×100	5700		
2000					51×120	5850	64×100	5850
2200							64×100	6100
2500							64×100	6400
2700							64×120	6850

◆ RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Vdc	Frequency (Hz)				
	60	120	360	1K	10K
400 ~ 450	0.82	1.00	1.20	1.35	1.40