



## CD13AH Series

Load life of 5000 hours at 105°C  
 High ripple current  
 For power supply, air conditioner,  
 and general purpose inverter applications  
 Terminal type: U type, screw



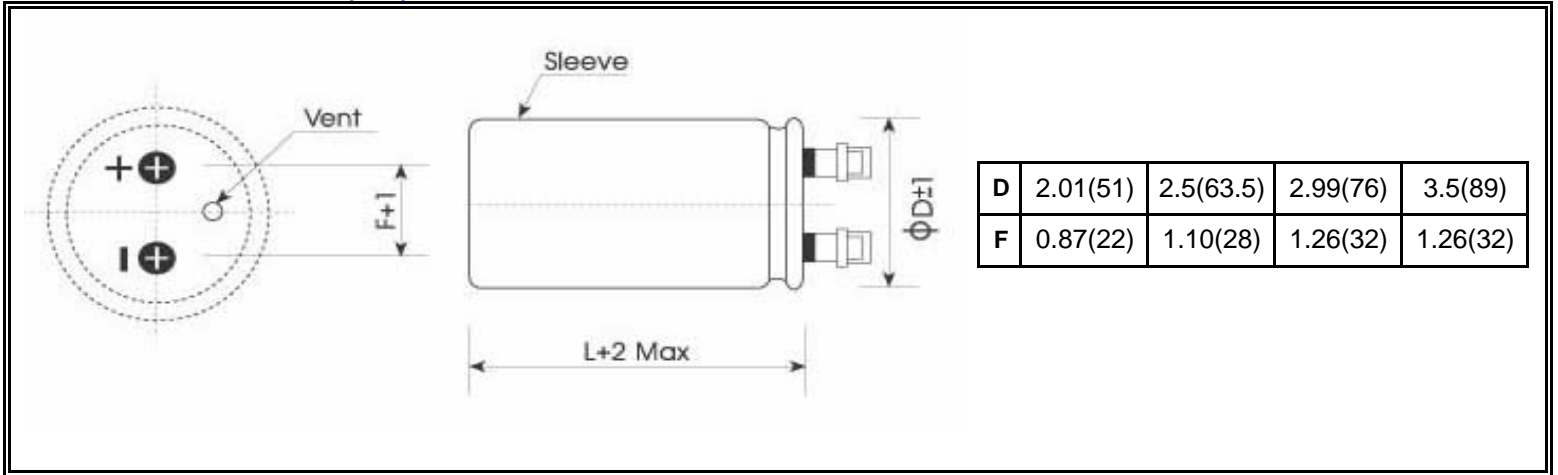
### SPECIFICATIONS

Item	Characteristics	
Rated Voltage Range(V)	350V - 450V	
Operating Temperature Range(°C)	-40°C - +105°C	
Capacitance Tolerance(20°C,120Hz)	+/-20%	
Leakage Current	0.01CV or 5mA whichever is smaller (at 20°C, after 5 minutes) C: Nominal Capacitance(µF) V: Rated Voltage(V)	
Dissipation Factor(25°C,120Hz)	<=0.15	
Load Life(+85°C)	Time	5000 hours
	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
Shelf Life(+85°C)	Time	1000 hours
	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

### MULTIPLIER FOR RIPPLE CURRENT

Frequency Coefficient						Temperature Coefficient			
Frequency(Hz)	50,60	120	300	1k	10k	Temperature(°C)	+40	+60	+105
Factor	0.70	1.00	1.10	1.30	1.40	Factor	1.89	1.67	1.00

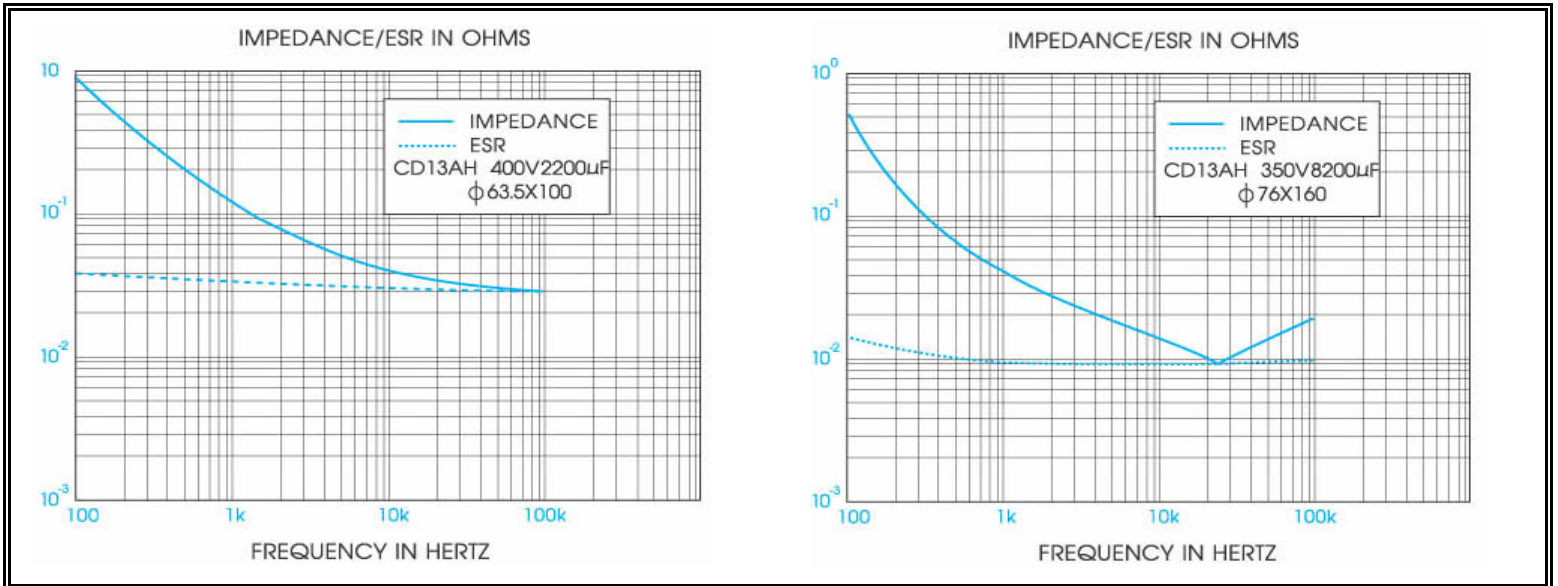
### OUTLINE DRAWINGS inch(mm)



### CASE CODE Inch(mm)

L \ D	3.15(80)	3.94(100)	4.72(120)	5.12(130)	6.30(160)	7.87(200)	9.45(240)
2.01(51)	C8	C10	C12	C13			
2.50(63.5)	D8	D10	D12	D13	D16	D20	
2.99(76)		E10	E12	E13	E16	E20	
3.50(89)				F13	F16	F20	F24

### TYPICAL CURVES



**STANDARD RATING**

	WV(V)	350		400		450	
Cap ( $\mu$ F)	SV(V)	400		450		500	
		Case Code	Ripple Current A at 85° C 120 Hz	Case Code	Ripple Current A at 85° C 120 Hz	Case Code	Ripple Current A at 85° C 120 Hz
1000		C8	5.5	C8	5.5	C10	5.9
1200		C8	5.9	C10	6.5	C12	7.1
1500		C10	7.4	C12	7.9	C13	8.3
1800		C10	8.1	C13	9.0	D10	8.9
2200		C13	10.0	D10	9.8	D12	10.5
2700		D10	10.9	D12	11.6	D13	12.2
						D16	12.3
3300		D12	12.9	D13	13.4	E13	14.4
						D20	14.3
3900		D13	14.7	D16	15.7	E16	17.4
				E16	14.7		
4700		D16	17.3	D20	18.9	E20	18.2
		E12	16.3	E13	17.0		
5600		D20	20.6	D20	20.6	F16	21.8
		E13	18.5	E16	19.8	F20	21.1
6800		E16	21.9	F16	23.3	F20	25.5
8200		F16	25.6	F16	25.6	F24	28.0
10000		F16	28.1	F20	30.7	F24	33.4
12000		F20	33.7	F24	36.5		
15000		F24	40.7				