



CD13A Series

Load life of 5000 hours at 85°C
High ripple current
For power supply, air conditioner,
and general purpose inverter applications
Terminal type: U type, screw



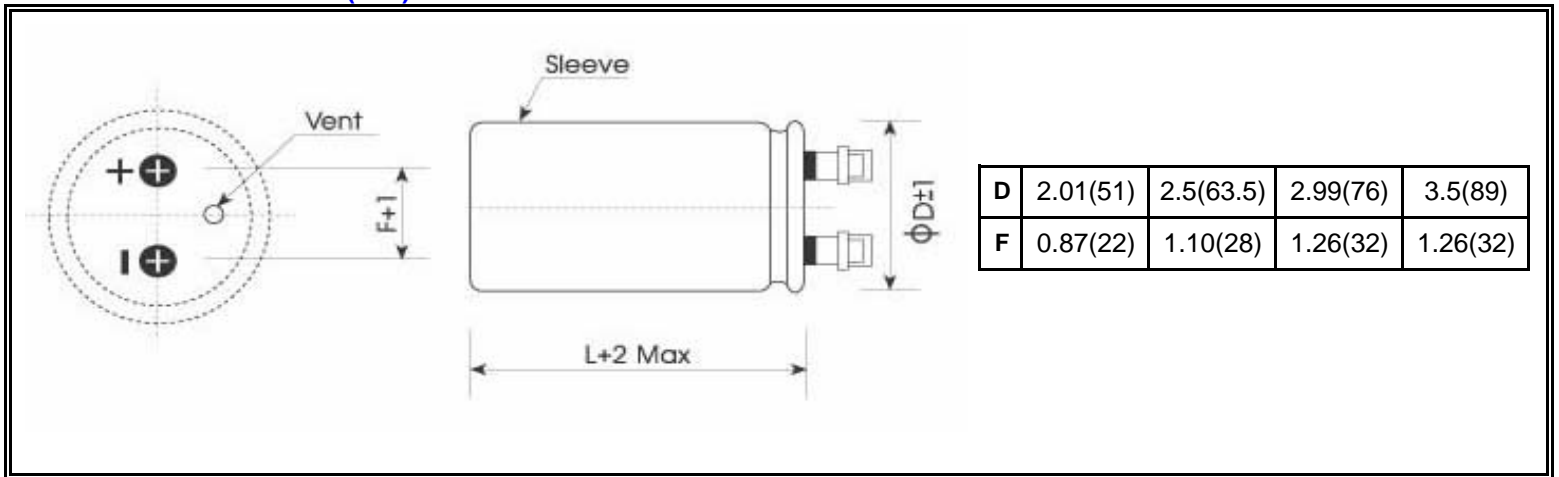
SPECIFICATIONS

Item	Characteristics	
Rated Voltage Range(V)	350V - 450V	
Operating Temperature Range(°C)	-40°C - +85°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

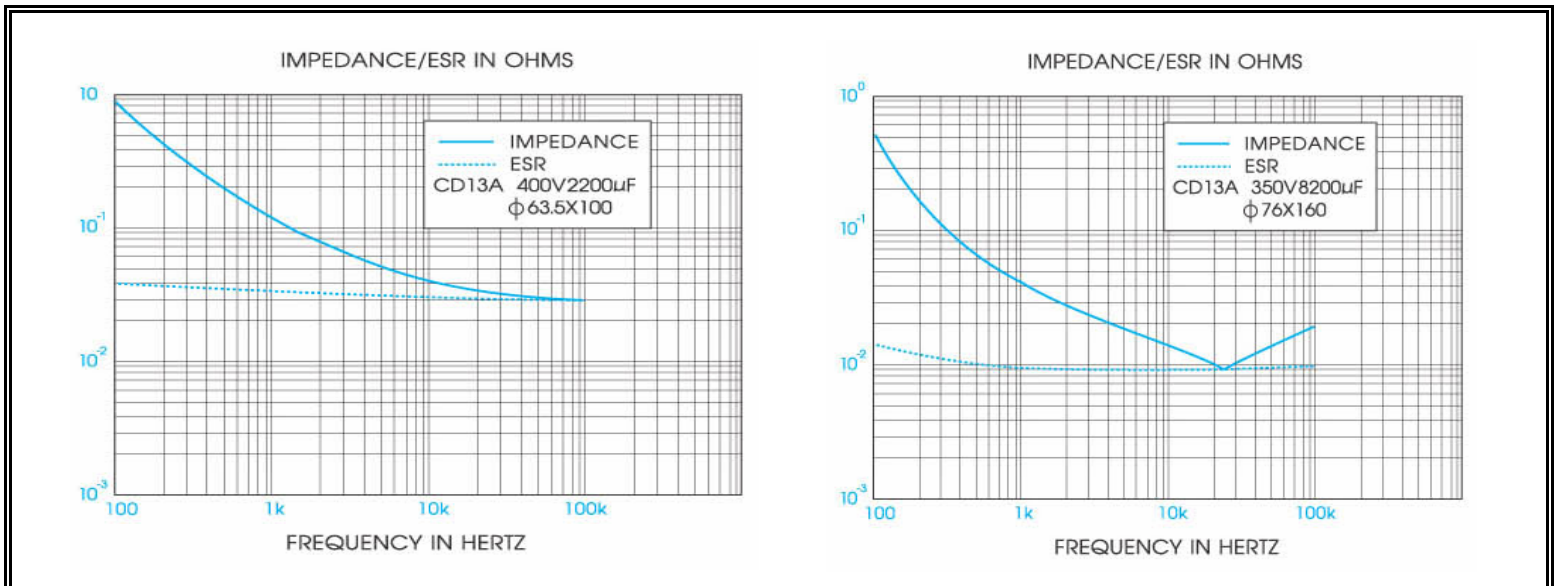
OUTLINE DRAWINGS inch(mm)



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 (μ 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	7.1	C8	7.1
1200		C8	7.8	C8	7.8	C10	8.5
1500		C8	8.6	C10	9.5	C12	10.2
1800		C10	10.5	C10	10.5	C13	11.7
2200		C10	11.6	C13	13.0	D10	12.7
2700		C13	14.4	D10	14.0	D12	15.1
3300		C13	16.0	D12	16.7	D13	17.5
3900		D12	18.1	D13	19.1	D16	20.5
						E12	19.2
4700		D13	20.9	D16	22.5	D20	24.7
				E12	22.1	E13	22.1
5600		D16	24.5	D20	27.0	E16	25.9
		E12	23.0	E13	24.0		
6800		D20	29.8	E16	28.6	F16	30.3
		E13	26.6				
8200		E16	31.2	F16	33.2	F16	33.2
10000		F16	36.6	F16	36.6	F20	40.0
12000		F16	40.2	F20	43.8	F24	47.5
15000		F20	48.9	F24	53.0		
18000		F24	58.5				