



- Load life of 5000 hours at 85°C
- Size may be selected
- High ripple current
- Used for computers, communication powers, high ripple circuit of electric vehicle, electric train, and general-purpose inverter

SPECIFICATIONS

Rated Voltage Range	350 ~ 450V	
Operating Temperature Range	-40 ~ +85°C	
Capacitance Tolerance	±20% (at 20 °C, 120Hz)	
Leakage Current	0.01CV or 5mA whichever is smaller (20°C, after 5 minutes) C: Nominal Capacitance(μF) V: Rated Voltage(V)	
Dissipation Factor (at 20°C,120Hz)	0.15	
Load Life (+85°C)	Time	5000 hours
	Capacitance Change	Within ±20% of the initial value
	Dissipation Factor	200% of the specified value or less
	Leakage Current	The specified value or less
Shelf Life (+85°C)	Time	500 hours
	Capacitance Change	Within ±20% of the initial value
	Dissipation Factor	200% of the specified value or less
	Leakage Current	The specified value or less

After test:U_R to be applied for 60 minutes, 24 to 48 hours before measurement.

DIMENSIONS

Unit: mm

øD	51	63.5	76	89
F	22	28	32	32

MULTIPLIER FOR RIPPLE CURRENT

Frequency Coefficient

Frequency(Hz)	50, 60	120	300	1K	≥10K
Factor	0.7	1.0	1.10	1.30	1.40

Case Code (mm)

øD \ L	80	100	120	130	160	200	240
51	C8	C10	C12	C13	-	-	-
63.5	D8	D10	D12	D13	D16	D20	-
76	-	E10	E12	E13	E16	E20	-
89	-	-	-	F13	F16	F20	F24



SWF Series

STANDARD RATINGS

uF	W.V	350		400		450	
	S.V	400		450		500	
1000				C8	5.0	C8	5.0
1200		C8	5.5	C8	5.5	C10	6.0
1500		C8	6.1	C10	6.7	C12	7.2
1800		C10	7.4	C10	7.4	C13	8.3
2200		C10	8.2	C13	9.2	D10	9.0
2700		C13	10.2	C10	9.9	D12	10.7
3300		C13	11.3	C12	11.8	D13	12.4
3900		D12	12.8	D13	13.5	D16	14.5
	E12					13.6	
4700		D13	14.8	D16	15.9	D20	19.1
	E12					17.5	
5600		D16	17.3	D20	19.1	E16	18.3
	E12						
6800		D20	21.1	E16	20.2	F16	21.4
	E13						
8200		E16	22.1	F16	23.5	F16	23.5
10000		F16	25.9	F16	25.9	F20	28.3
12000		F16	28.4	F20	31.0	F24	33.6
15000		F20	34.6	F24	37.5		
18000		F24	41.4				

Ripple Current(Arms) 85°C, 120Hz

Case Code

TYPICAL CURVES

