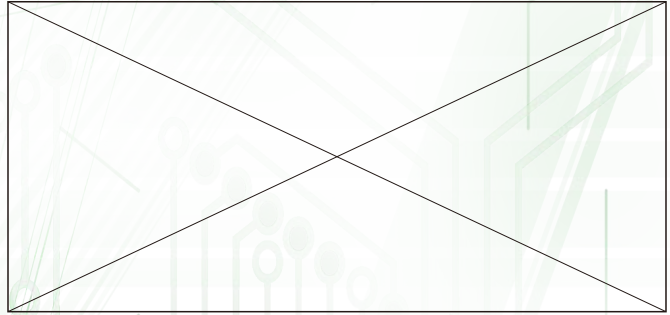


SW Series

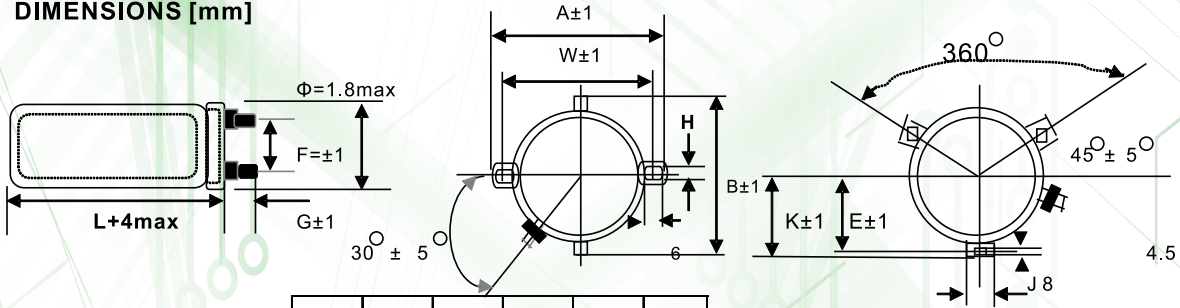
- Endurance with ripple current: 85°C 2000 hours
- Rohs compliance.



◆ SPECIFICATIONS

Item	Characteristics
Category Temperature Range	-40~+85°C(10~100VDC) -25~+85°C(160~250VDC)
Voltage Range	10 ~ 250V.DC
Capacitance Tolerance	±20%(M) 20°C, 120Hz
Leakage Current	I=0.02CV or 5mA whichever is smaller. (at 20°C after 5min.) Where, I : Max. Leakage Current (μA) C : Nominal Capacitance (μF) V : Rated Voltage (V) I : LC (μA), C : CAP. (μF) V : WV (Vdc) 20°C
Dissipation Factor(tanδ) (at 120Hz,20°C)	Shall not exceed the values shown in the STANDARD RATINGS
Low Temp. Impedance Stability at 120Hz	Capacitance change: C(-25°C) /C(+20°C)≧0.7
High Temp. Load Test	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied for 2000 hours at 85°C . Capacitance change ≧ ±20% of the initial measured value tanδ ≧ 200% of the initial specified value DC Leakage Current ≧ the initial specified value
High Temp. Non-Load Test	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 500 hours at 85°C without voltage applied. Capacitance Change ≧ ±20% of the initial measured value tanδ ≧ 150% of the initial specified value DC Leakage Current ≧ the initial specified value

◆ DIMENSIONS [mm]



Φ35toΦ63.5:G=6
Φ76toΦ89:G=5

ΦD	A	B	W	H	F	ΦD	E	K	J	F
35	58	44	48	3.5	12.7	50	32.5	37	14	22.4
50	78	64	68	4.5	22.4	63.5	38.1	43.5	14	28
63.5	90	76	80	4.5	28	76	44.5	50	14	31.5
76	104.5	90	93.5	4.5	31.5	89	50.8	56.5	16	31.5

Rated Voltage (VDC)	Case Diameter (mm)	Frequency(Hz)							<Screw specifications>
10 to 50	Φ35 to Φ89	0.95	1.00	1.03	1.05	1.09	1.12	Plus hexagon-headed screw	
63 & 80	Φ35	0.90	1.00	1.06	1.10	1.18	1.22	M5x0.8x10	
	Φ50 to Φ89	0.95	1.00	1.03	1.05	1.09	1.12	Maximum screw tightening torque:3.23Nm	
100	Φ35	0.82	1.00	1.12	1.22	1.30	1.33		
	Φ50	0.90	1.00	1.06	1.10	1.18	1.22		
160 to 250	Φ63.5 to Φ89	0.95	1.00	1.03	1.05	1.09	1.12		
	Φ35	0.80	1.00	1.19	1.34	1.46	1.52		
	Φ50 & Φ63.5	0.81	1.00	1.14	1.26	1.36	1.41		
	Φ76 & Φ89	0.82	1.00	1.12	1.22	1.30	1.33		

SW Series

WV(VDC)	10	16	25	35	50	63	80
Cap.(μF)SV	13	20	32	44	63	79	100
3300							35×50 2.50 0.15
3900							
4700							
5600						35×50 3.00 0.20	
6800							35×80 3.70 0.20
8200							
10000					35×50 4.1 0.25	35×80 4.0 0.25	35×100 4.90 0.20
12000							35×120 5.40 0.20
15000				35×50 3.9 0.30		35×100 5.3 0.25	50×80 6.00 0.25
18000			35×50 4.0 0.35		35×80 5.2 0.25	35×120 6.2 0.25	
22000					35×100 5.9 0.30	50×80 6.5 0.30	50×100 7.10 0.30
27000		35×50 4.2 0.45			35×120 6.6 0.35		50×120 8.60 0.30
33000					35×80 6.0 0.40		63.5×100 9.30 0.35
39000	35×50 4.7 0.6				35×80 6.2 0.40	35×100 7.0 0.40	50×80 7.4 0.40
47000					35×100 7.4 0.40	35×120 8.0 0.45	63.5×100 10.2 0.40
56000		35×80 6.5 0.60	35×120 8.3 0.45			50×100 9.8 0.40	63.5×120 12.0 0.35
68000					50×80 9.0 0.50	50×120 11.1 0.45	76×120 15.4 0.35
82000	35×80 7.4 0.60	35×100 8.0 0.70	50×80 9.7 0.50	50×100 10.3 0.55	63.5×100 12.2 0.50		76×140 18.1 0.35
100000	35×100 8 0.70	35×120 9.6 0.70	50×100 10.8 0.55				76×120 17.1 0.45
120000	35×120 9.4 0.70	50×80 9.6 0.80	50×120 12.8 0.60	50×120 12.8 0.60	63.5×120 16 0.50	76×140 19.0 0.50	
150000	35×80 9.8 0.90	50×100 11.2 0.90			63.5×100 14.0 0.70	76×120 18.1 0.60	89×140 22.0 0.55
180000					63.5×100 14.7 0.75	63.5×120 16.6 0.70	76×140 19.5 0.70
220000	50×100 12.1 1.00	50×120 14.2 1.00	63.5×120 16.8 0.80	76×100 17.3 0.75			
270000	50×120 13.6 1.20	63.5×100 15.3 1.20	76×100 18.3 0.90	76×120 19.8 0.80	89×140 24.6 0.80		
330000		63.5×120 17.1 1.30	76×120 20.7 1.00	76×140 22.5 0.90			
390000	63.5×100 15.3 1.50	76×100 18.0 1.60	76×140 22.1 1.20				
470000	63.5×120 16.0 2.00	76×120 19.3 1.80			89×140 28.3 1.00		
560000	76×100 17.3 2.50	76×140 20.7 2.00	89×140 25.8 1.50				
680000	76×120 18.7 3.00						

WV(VDC)	100	160	200	250
Cap.(μF)SV	125	200	250	300
560				35×50 1.3 0.15
680				
820			35×50 1.6 0.15	
1000				
1200		35×50 2.0 0.15		35×80 2.3 0.15
1500				35×100 3.0 0.15
1800			35×80 2.8 0.15	35×120 3.3 0.15
2200	35×50 2.5 0.10	35×80 3.4 0.15	35×100 3.6 0.15	50×80 3.7 0.15
2700		35×100 3.7 0.15	35×120 4.0 0.15	
3300		35×120 4.5 0.15	50×80 4.5 0.15	50×100 5.1 0.15
3900				50×120 5.9 0.15
4700	35×80 3.4 0.15	35×80 5.6 0.20	50×100 7.1 0.15	63.5×100 6.9 0.20
5600			50×120 8.2 0.15	
6800	35×100 4.2 0.15	50×100 7.5 0.20		63.5×120 8.7 0.20
8200	35×120 5.0 0.15	50×120 8.1 0.20	63.5×100 10.0 0.20	
10000	35×80 5.2 0.20	63.5×100 9.8 0.20	63.5×120 11.0 0.20	76×120 11.1 0.20
12000		63.5×120 10.8 0.20	76×100 11.5 0.20	76×140 13.0 0.20
15000		76×100 12.7 0.20	76×120 12.8 0.20	89×140 14.9 0.20
18000	50×120 8.1 0.20	76×120 14.0 0.20	76×140 15.0 0.20	
22000	63.5×100 8.6 0.25	76×140 16.6 0.20	89×140 15.6 0.25	
27000	63.5×120 10.3 0.25			
33000	76×100 11.1 0.25	89×140 18.9 0.25		
39000	76×120 12.4 0.25			
47000	76×140 14.3 0.25			
68000	76×140 18.0 0.30			