



SWG Screw Terminal, General, 85°C



Features

- Endurance with ripple current:85°C,2000hours

Specifications

Item	Performance Characteristics					
Operating Temperature Range	-40 to +85°C			-25 to +85°C		
Rated voltage Range	10 to 100 VDC			160 to 450 VDC		
Capacitance Tolerance	±20%(120Hz, +20°C)					
Leakage Current (+20°C, max.)	1≤0.01 CV or 5(mA) whichever is smaller (after 5 minutes) Where,C=rated capacitance in µF. V=rated DC working voltage in V.					
Dissipation Factor (tanδ)	Shown in the table of standard rating					
Low Temperature Characteristics (at 120Hz)	Capacitance change: C(-25°C)/C(+20°C)≥0.7					
Load Life	Test Time		2000 Hrs			
	Capacitance Change		Within ±15% of initial value			
	Dissipation Factor		Less than 175% of specified value			
	Leakage Current		Within specified value			
*The above specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with rated ripple current applied for 2000 hrs at 85°C						
Shelf Life	Test Time		1000 Hrs			
	Capacitance Change		Within ±20% of initial value			
	Dissipation Factor		Less than 200% of specified value			
	Leakage Current		Within specified value			
*The above specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hrs at 85°C without voltage applied. The rated voltage shall be applied to the capacitors before the measurements(Refer to JIS C 5102-4.4).						
Ripple Current & Frequency Multipliers	Freq. (Hz)	50(60)	120	300	1K	10K UP
	Multiplier	0.7	1.0	1.1	1.3	1.4
Ripple Current & Frequency Multipliers	Temperature (°C)	40	60	70	85	
	Multiplier	2.7	2.0	1.7	1.0	
Standards	Satisfies Characteristic W of JIS C 5101- 4					

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Diagram of Dimensions: (Unit: mm)

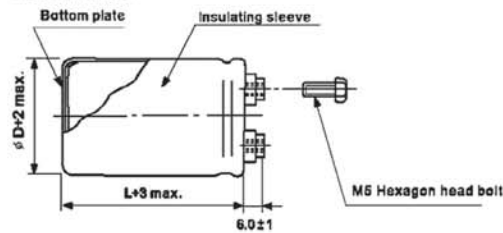
Screw specifications:

Plus hexagon-headed screw: M5x0.8x10

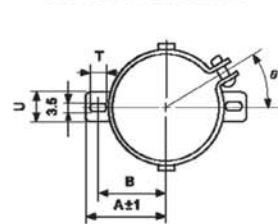
Max. screw tightening torque: 3.23Nm

Dφ	P	α	L1	W1	W2	H	h
35	12.7	2	10.0	48	58	15.0	10.0

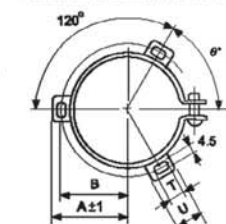
●DRAWING



●TWO LEGS ANGLE



●THREE LEGS ANGLE



Dφ	P	α	L1	W1	W2	H	h	a	b	c	θ°
51	22.0	2	10	61.0	65.5	21.0	15.0	7.0	12.0	4.5	60
64	28.6	2	10	72.5	78.0	25.0	20.0	7.0	14.0	4.5	60
77	32.0	2	10	85.5	91.0	35.0	20.0	8.0	16.0	4.5	60
90	32.0	2	10	101	106	34.5	20.0	8.0	16.0	5.0	60

Case Size

φD x L (mm)

WV	Cap (μF)	Size (mm) φDxL	DF (%) (max) 120Hz, 20°C	R.C. (A., rms) (max) 120Hz, 85°C
10	33000	35x53	0.60	4.4
	39000	35x53	0.60	4.7
	47000	35x65	0.60	5.6
	56000	35x65	0.60	5.9
	68000	35x83	0.60	7.5
	82000	35x83	0.60	7.7
	100000	35x121	0.70	9.2
	120000	35x121	0.70	9.4
	150000	51x83	0.90	10.2
	180000	51x83	0.90	10.7
	220000	51x121	1.00	13.9
	270000	51x121	1.20	15.2
	330000	64x121	1.40	17.2
	390000	64x121	1.50	18.1
	470000	77x121	2.00	19.2
	560000	77x121	2.50	19.8
680000	77x121	3.00	21.0	



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φD x L (mm)

WV	Cap (μF)	Size (mm) φDxL	DF (%) (max) 120Hz, 20°C	R.C. (A., rms) (max) 120Hz, 85°C
16	27000	35x53	0.45	4.2
	33000	35x65	0.50	5.5
	39000	35x65	0.50	5.8
	47000	35x83	0.55	7.2
	56000	35x83	0.60	7.5
	68000	35x121	0.60	10.2
	82000	35x121	0.70	10.4
	100000	51x83	0.70	10.9
	120000	51x83	0.80	11.3
	150000	51x121	0.90	12.6
	180000	51x121	0.90	13.0
	220000	64x100	1.00	14.7
	270000	64x100	1.20	15.3
	330000	77x121	1.30	18.2
	390000	77x121	1.60	18.6
470000	77x121	1.80	19.3	
560000	77x144	2.00	20.7	
25	18000	35x53	0.35	4.0
	22000	35x65	0.35	4.5
	27000	35x65	0.40	5.0
	33000	35x83	0.40	5.5
	39000	35x83	0.40	6.2
	47000	35x121	0.40	7.4
	56000	35x121	0.45	8.3
	68000	51x100	0.50	9.3
	82000	51x121	0.50	9.7
	100000	51x121	0.60	10.5
	120000	51x121	0.60	11.5
	150000	64x100	0.70	12.9
	180000	64x121	0.75	14.7
	220000	64x144	0.80	18.0
	270000	64x144	0.90	18.3
330000	77x144	1.00	19.5	
390000	77x144	1.20	20.8	
35	10000	35x53	0.30	3.5
	12000	35x53	0.30	3.7
	15000	35x65	0.30	3.9
	18000	35x65	0.35	4.2
	22000	35x83	0.35	4.9
	27000	35x83	0.40	5.2
	33000	35x121	0.40	7.1
	39000	35x121	0.40	7.3
	47000	51x83	0.45	8.3
	56000	51x83	0.50	8.7
	68000	51x100	0.50	10.2
	82000	51x100	0.55	10.5
	100000	64x100	0.60	10.9
	120000	64x121	0.60	12.8
	150000	64x144	0.70	15.3
180000	64x144	0.70	15.8	
220000	77x144	0.75	17.3	
50	6800	35x53	0.25	3.2
	8200	35x53	0.25	3.4
	10000	35x65	0.25	4.3
	12000	35x65	0.25	4.5
	15000	35x83	0.25	4.7
	18000	35x83	0.25	4.9
	22000	35x121	0.30	6.3
	27000	35x121	0.35	6.6
	33000	51x83	0.40	7.5
	39000	51x83	0.40	7.7
	47000	51x100	0.40	9.6
	56000	51x100	0.40	9.8
	68000	64x100	0.45	11.9
	82000	64x100	0.50	12.2
	100000	64x144	0.50	14.2
120000	64x144	0.50	14.5	
150000	77x144	0.60	16.5	
180000	77x144	0.70	16.8	

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φD x L (mm)

WV	Cap (μF)	Size (mm) φDxL	DF (%) (max) 120Hz, 20°C	R.C. (A., rms) (max) 120Hz, 85°C
63	5600	35x53	0.20	3.0
	6800	35x53	0.20	3.7
	8200	35x65	0.25	4.4
	10000	35x83	0.25	4.5
	12000	35x83	0.25	4.7
	15000	35x100	0.25	5.6
	18000	35x100	0.25	6.2
	22000	51x83	0.30	7.7
	27000	51x83	0.30	8.2
	33000	51x100	0.35	8.7
	39000	51x100	0.35	9.6
	47000	64x100	0.40	11.5
	56000	64x100	0.40	11.8
	68000	64x144	0.40	13.7
	82000	64x144	0.45	14.2
100000	77x144	0.45	15.2	
120000	77x144	0.50	15.8	
80	3300	35x53	0.15	2.5
	3900	35x53	0.15	2.7
	4700	35x65	0.15	2.9
	5600	35x65	0.20	3.7
	6800	35x83	0.20	4.3
	8200	35x83	0.20	4.5
	10000	35x100	0.20	5.4
	12000	35x100	0.20	5.6
	15000	51x83	0.25	7.3
	18000	51x83	0.25	7.7
	22000	51x100	0.30	8.5
	27000	64x100	0.30	8.6
	33000	64x100	0.35	10.5
	39000	64x121	0.35	11.8
	47000	64x144	0.35	14.0
56000	64x144	0.35	14.2	
68000	77x144	0.35	16.7	
82000	77x144	0.35	17.1	
100	2200	35x53	0.15	2.5
	2700	35x53	0.15	2.5
	3300	35x65	0.15	2.9
	3900	35x83	0.15	3.5
	4700	35x83	0.15	3.7
	5600	35x100	0.20	4.6
	6800	35x100	0.20	4.9
	8200	51x83	0.20	5.8
	10000	51x83	0.20	6.2
	12000	51x100	0.20	7.5
	15000	51x121	0.20	8.5
	18000	64x100	0.20	8.8
	22000	64x100	0.25	9.6
	27000	64x121	0.25	10.3
	33000	64x144	0.25	12.1
39000	77x144	0.25	12.4	
47000	77x144	0.25	13.9	
56000	77x144	0.30	15.3	

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φD x L (mm)

WV	Cap (μF)	Size (mm) φDxL	DF (%) (max) 120Hz, 20°C	R.C. (A., rms) (max) 120Hz, 85°C
160	3300	35x121	0.15	5.2
	3900	51x75	0.15	5.3
	4700	51x75	0.15	5.8
	5600	51x96	0.15	7.0
	6800	51x96	0.15	7.7
	8200	51x115	0.15	9.1
	10000	64x96	0.15	10.3
	12000	64x96	0.15	11.3
	15000	64x130	0.15	14.3
	18000	64x130	0.15	15.6
	22000	77x130	0.15	18.2
	27000	77x130	0.15	20.2
	33000	90x130	0.15	23.7
39000	90x157	0.15	27.8	
200	2200	35x100	0.15	3.9
	2700	35x121	0.15	4.7
	3300	51x75	0.15	4.9
	3900	51x75	0.15	5.3
	4700	51x96	0.15	6.4
	5600	51x115	0.15	7.5
	6800	51x130	0.15	8.7
	8200	64x96	0.15	9.4
	10000	64x96	0.15	10.3
	12000	77x96	0.15	12.0
	15000	77x96	0.15	14.4
	18000	77x130	0.15	16.5
	22000	77x155	0.15	19.6
27000	90x130	0.15	21.5	
33000	90x157	0.15	25.5	
250	1500	35x100	0.15	3.2
	1800	35x100	0.15	3.5
	2200	51x75	0.15	4.0
	2700	51x75	0.15	4.4
	3300	51x96	0.15	5.4
	3900	51x115	0.15	6.3
	4700	64x96	0.15	7.1
	5600	64x96	0.15	7.7
	6800	64x115	0.15	9.1
	8200	64x115	0.15	10.0
	10000	64x130	0.15	11.6
	12000	77x115	0.15	12.8
	15000	77x130	0.15	15.1
18000	77x155	0.15	17.7	
22000	90x157	0.15	20.9	
350	390	35x53	0.15	1.6
	470	35x65	0.15	2.1
	560	35x83	0.15	2.3
	680	35x83	0.15	2.6
	820	35x100	0.15	3.0
	1000	35x100	0.15	3.4
	1200	51x75	0.15	3.8
	1500	51x75	0.15	4.2
	1800	51x96	0.15	5.1
	2200	51x96	0.15	5.7
	2700	51x130	0.15	7.1
	3300	64x115	0.15	7.9
	3900	64x115	0.15	8.9
	4700	64x130	0.15	10.3
	5600	77x115	0.15	11.3
6800	77x130	0.15	13.1	
8200	77x155	0.15	15.4	
10000	90x157	0.15	18.1	
12000	90x157	0.15	20.0	

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φD x L (mm)

WV	Cap (μF)	Size (mm) φDxL	DF (%) (max) 120Hz, 20°C	R.C. (A., rms) (max) 120Hz, 85°C
400	330	35x53	0.15	1.5
	390	35x65	0.15	2.0
	470	35x83	0.15	2.1
	560	35x83	0.15	2.3
	680	35x100	0.15	2.8
	820	35x100	0.15	3.1
	1000	51x75	0.15	3.5
	1200	51x75	0.15	3.8
	1500	51x96	0.15	4.7
	1800	51x96	0.15	5.1
	2200	51x130	0.15	6.4
	2700	64x96	0.15	6.9
	3300	64x115	0.15	8.2
	3900	64x130	0.15	9.4
	4700	77x115	0.15	10.4
	5600	77x130	0.15	11.9
	6800	90x157	0.15	14.0
8200	90x157	0.15	16.4	
10000	90x157	0.15	18.2	
450	270	35x53	0.15	1.3
	330	35x65	0.15	1.8
	390	35x83	0.15	2.0
	470	35x83	0.15	2.1
	560	35x100	0.15	2.5
	680	35x100	0.15	2.8
	820	51x75	0.15	3.2
	1000	51x75	0.15	3.5
	1200	51x96	0.15	4.2
	1500	51x115	0.15	5.0
	1800	51x130	0.15	5.8
	2200	64x96	0.15	6.3
	2700	64x115	0.15	7.5
	3300	64x130	0.15	8.6
	3900	77x115	0.15	9.5
	4700	77x130	0.15	10.8
	5600	77x155	0.15	12.8
6800	90x157	0.15	15.0	
8200	90x157	0.15	16.4	

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