



# SWK Screw Terminal, General, 105°C



## Features

- Endurance with ripple current:105°C,2000 hours

## Specifications

Item	Performance Characteristics						
Operating Temperature Range	-40 to +105°C			-25 to +105°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 ±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 subjected to DC voltage with rated ripple current applied for 2000 hrs at 105°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 105°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		0.8	1.0	1.1	1.3	1.4
Ripple Current & Frequency Multipliers	Temperature (°C)		40	55	70	85	105
	Multiplier	≤250V	4.9	3.9	3.0	1.8	1.0
		≥350V	3.8	3.3	2.5	2.0	1.0
Standards	Satisfies Characteristic W of JIS C 5101- 4						

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### Diagram of Dimensions: (Unit: mm)

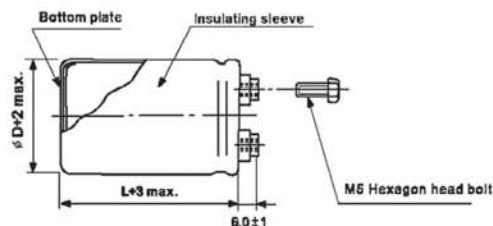
Screw specifications:

Plus hexagon-headed screw: M5x0.8x10

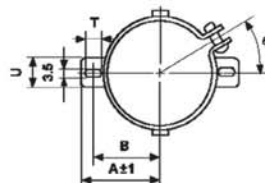
Max. screw tightening torque: 3.23Nm

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

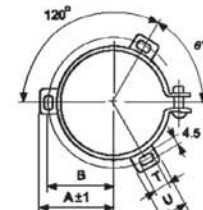
### •DRAWING



### •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, 105°C
16	18000	35x53	0.40	4.2
	22000	35x53	0.40	4.7
	27000	35x53	0.40	5.5
	33000	35x65	0.45	5.7
	39000	35x65	0.45	6.8
	47000	35x83	0.50	7.1
	56000	35x100	0.50	8.4
	68000	35x121	0.55	8.8
	82000	51x83	0.55	10.7
	100000	51x83	0.65	10.8
	120000	51x100	0.65	13.1
	150000	51x121	0.70	15.3
	180000	51x121	0.80	15.7
	220000	64x121	0.85	19.2
	270000	64x121	1.00	19.6
	330000	77x121	1.30	21.1
390000	77x121	1.50	21.3	
470000	77x144	1.60	24.2	

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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, 105°C
25	12000	35x53	0.35	3.7
	15000	35x53	0.35	4.1
	18000	35x65	0.35	4.8
	22000	35x65	0.35	5.3
	27000	35x83	0.40	6.4
	33000	35x83	0.40	6.7
	39000	35x100	0.40	7.8
	47000	35x121	0.40	9.3
	56000	51x75	0.50	9.7
	68000	51x100	0.50	11.2
	82000	51x100	0.60	11.2
	100000	51x121	0.60	14.8
	120000	64x100	0.80	14.9
	150000	64x121	0.80	17.9
	180000	64x121	1.00	17.9
	220000	77x121	1.00	21.3
	270000	77x121	1.00	21.7
330000	77x144	1.00	23.4	
390000	90x130	1.00	24.9	
35	8200	35x53	0.30	3.3
	10000	35x53	0.30	3.6
	12000	35x65	0.30	4.2
	15000	35x65	0.30	4.7
	18000	35x83	0.35	5.7
	22000	35x83	0.35	6.3
	27000	35x100	0.40	7.5
	33000	35x121	0.40	9.0
	39000	51x75	0.45	9.2
	47000	51x100	0.45	11.2
	56000	51x100	0.50	11.4
	68000	51x121	0.50	13.6
	82000	64x100	0.60	14.8
	100000	64x121	0.60	17.6
	120000	64x121	0.70	17.6
	150000	77x121	0.70	19.8
	180000	77x121	0.70	19.8
220000	77x144	0.70	23.4	
270000	90x157	0.70	25.5	
50	3900	35x53	0.25	2.8
	4700	35x53	0.25	3.1
	5600	35x53	0.25	3.3
	6800	35x53	0.25	3.3
	8200	35x65	0.25	3.8
	10000	35x83	0.25	4.6
	12000	35x83	0.30	5.1
	15000	35x83	0.30	5.7
	18000	35x100	0.35	6.7
	22000	35x121	0.35	8.1
	27000	51x75	0.40	9.1
	33000	51x100	0.40	11.1
	39000	51x121	0.40	13.1
	47000	51x121	0.40	13.9
	56000	64x100	0.45	13.9
	68000	64x121	0.45	16.6
	82000	77x121	0.50	18.9
100000	77x121	0.50	19.5	
120000	77x121	0.50	19.5	
150000	90x130	0.50	22.5	
180000	90x157	0.50	23.9	

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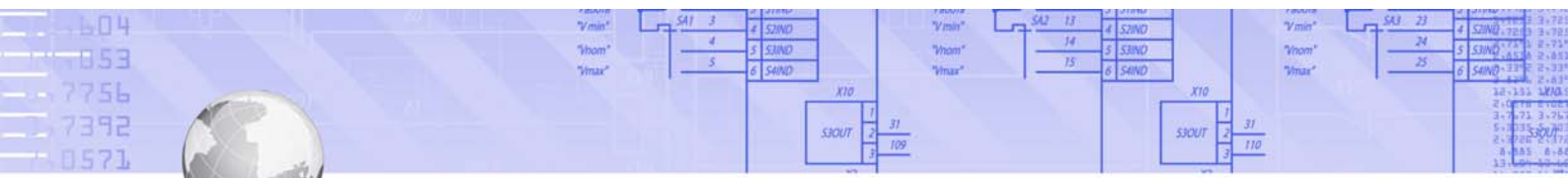


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φD x L (mm)

WV	Cap (μF)	Size (mm) φDxL	DF (%) (max) 120Hz, 20°C	R.C. (A., rms) (max) 120Hz, 105°C
63	2700	35x53	0.20	2.3
	3300	35x53	0.20	2.5
	3900	35x53	0.20	2.8
	4700	35x53	0.20	3.1
	5600	35x65	0.20	3.5
	6800	35x65	0.20	3.9
	8200	35x83	0.25	4.4
	10000	35x83	0.25	4.7
	12000	35x100	0.25	5.5
	15000	35x121	0.25	6.6
	18000	51x75	0.30	7.4
	22000	51x100	0.30	9.0
	27000	51x121	0.30	10.9
	33000	51x121	0.30	12.0
	39000	64x100	0.35	12.5
	47000	64x121	0.35	14.9
	56000	64x121	0.40	16.3
	68000	77x121	0.40	18.4
82000	77x144	0.40	20.0	
100000	77x144	0.40	20.0	
120000	90x157	0.40	21.8	
80	2200	35x53	0.15	2.4
	2700	35x53	0.15	2.7
	3300	35x53	0.15	3.0
	3900	35x65	0.15	3.4
	4700	35x65	0.15	3.7
	5600	35x83	0.20	4.5
	6800	35x83	0.20	4.9
	8200	35x100	0.20	5.1
	10000	35x121	0.20	6.1
	12000	51x75	0.25	6.7
	15000	51x100	0.25	8.3
	18000	51x121	0.25	9.9
	22000	51x121	0.25	11.0
	27000	64x100	0.30	11.4
	33000	77x100	0.30	13.9
	39000	77x100	0.30	13.9
	47000	77x121	0.30	16.5
	56000	77x121	0.30	18.1
68000	77x144	0.30	19.7	
82000	90x130	0.30	22.1	
100	1800	35x53	0.15	2.7
	2200	35x53	0.15	3.0
	2700	35x65	0.20	3.5
	3300	35x83	0.20	4.2
	3900	35x83	0.20	4.2
	4700	35x100	0.20	5.0
	5600	35x100	0.20	5.4
	6800	35x121	0.20	5.8
	8200	51x75	0.25	6.4
	10000	51x100	0.25	7.8
	12000	51x121	0.25	9.3
	15000	51x121	0.25	10.4
	18000	64x100	0.30	10.4
	22000	64x121	0.30	12.5
	27000	77x121	0.30	13.7
	33000	77x121	0.30	15.2
	39000	77x144	0.30	16.1
	47000	90x130	0.30	19.3
56000	90x157	0.30	21.1	

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# SWK Screw Terminal, General, 105°C

φD x L (mm)

WV	Cap (μF)	Size (mm) φDxL	DF (%) (max) 120Hz, 20°C	R.C. (A., rms) (max) 120Hz, 105°C
160	560	35x53	0.15	1.2
	680	35x53	0.15	1.3
	820	35x65	0.15	1.4
	1000	35x83	0.15	1.8
	1200	35x83	0.15	1.9
	1500	35x83	0.15	2.1
	1800	35x83	0.15	2.5
	2200	35x100	0.15	2.8
	2700	35x100	0.15	3.3
	3300	51x75	0.15	3.8
	3900	51x75	0.15	3.8
	4700	51x96	0.15	4.6
	5600	51x96	0.15	5.1
	6800	64x96	0.15	6.1
	8200	64x96	0.15	7.0
	10000	77x96	0.15	8.4
	12000	77x115	0.15	9.4
	15000	77x130	0.15	11.4
18000	77x144	0.15	13.4	
22000	90x130	0.15	14.5	
27000	90x157	0.15	16.0	
200	330	35x53	0.15	0.9
	390	35x53	0.15	1.0
	470	35x53	0.15	1.1
	560	35x53	0.15	1.2
	680	35x53	0.15	1.3
	820	35x65	0.15	1.5
	1000	35x83	0.15	1.7
	1200	35x83	0.15	1.9
	1500	35x100	0.15	2.3
	1800	35x100	0.15	2.5
	2200	51x75	0.15	3.0
	2700	51x96	0.15	3.6
	3300	51x96	0.15	4.1
	3900	51x115	0.15	4.9
	4700	64x96	0.15	5.3
	5600	64x96	0.15	5.8
	6800	64x115	0.15	6.9
	8200	64x130	0.15	7.6
10000	77x115	0.15	9.6	
12000	77x130	0.15	10.2	
15000	90x130	0.15	12.2	
18000	90x157	0.15	13.1	
250	270	35x53	0.15	0.8
	330	35x53	0.15	0.9
	390	35x53	0.15	1.0
	470	35x53	0.15	1.1
	560	35x65	0.15	1.4
	680	35x83	0.15	1.5
	820	35x83	0.15	1.6
	1000	35x100	0.15	1.8
	1200	35x100	0.15	1.9
	1500	51x75	0.15	2.3
	1800	51x75	0.15	2.5
	2200	51x96	0.15	3.0
	2700	51x115	0.15	3.5
	3300	64x96	0.15	4.2
	3900	64x96	0.15	4.6
	4700	64x115	0.15	5.7
	5600	64x130	0.15	6.3
	6800	77x115	0.15	7.7
8200	77x130	0.15	8.4	
10000	77x155	0.15	10.0	
12000	90x140	0.15	11.9	
15000	90x157	0.15	12.5	

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## SWK Screw Terminal, General, 105°C

φD x L (mm)

WV	Cap (μF)	Size (mm) φDxL	DF (%) (max) 120Hz, 20°C	R.C. (A., rms) (max) 120Hz, 105°C
350	180	35x53	0.15	0.8
	220	35x53	0.15	0.9
	270	35x53	0.15	1.0
	330	35x65	0.15	1.2
	390	35x65	0.15	1.3
	470	35x83	0.15	1.5
	560	35x83	0.15	1.6
	680	35x100	0.15	1.7
	820	35x100	0.15	1.8
	1000	51x75	0.15	2.2
	1200	51x75	0.15	2.3
	1500	51x96	0.15	3.0
	1800	51x115	0.15	3.6
	2200	51x130	0.15	4.0
	2700	64x96	0.15	4.6
	3300	64x115	0.15	5.6
	3900	64x130	0.15	6.7
	4700	77x121	0.15	7.5
5600	77x130	0.15	8.3	
6800	77x155	0.15	9.4	
8200	77x157	0.15	11.4	
400	180	35x53	0.15	0.8
	220	35x53	0.15	0.9
	270	35x65	0.15	1.1
	330	35x65	0.15	1.2
	390	35x83	0.15	1.3
	470	35x83	0.15	1.4
	560	35x100	0.15	1.6
	680	35x100	0.15	1.7
	820	35x121	0.15	2.0
	1000	51x75	0.15	2.2
	1200	51x96	0.15	2.7
	1500	51x115	0.15	3.3
	1800	51x130	0.15	3.7
	2200	64x96	0.15	4.2
	2700	64x115	0.15	4.8
	3300	64x130	0.15	5.5
	3900	77x115	0.15	6.5
	4700	77x130	0.15	7.6
5600	77x155	0.15	9.4	
6800	90x157	0.15	10.4	
8200	90x157	0.15	11.8	

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