SWT100 SPECIFICATION

CA704-01-01G

	MODEL		SWT100-522			SWT100-525			SWT100-5FF		
	ITEMS		CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3
1	NOMINAL OUTPUT VOLTAGE	V	+5	+12	-12	+5	+12	-5	+5	+15	-15
2	MIN. OUTPUT CURRENT	A	0.5	0	0	0.5	0	0	0.5	0	0
3	MAX. OUTPUT CURRENT	A	8	4	0.8	8	4	0.8	8	3.2	0.8
4	PEAK OUTPUT CURRENT	A	-	-	-	-	-	-	-	-	-
5	MAX. OUTPUT POWER	W	97.6			92			100		
6	EFFICIENCY (TYP) (* 1)	-	74%								
7	INPUT VOLTAGE RANGE (* 2)	-	AC85~265V (Continuously), 47~63 Hz /110~340VDC								
8	INPUT CURRENT (TYP) (* 1)	-	2.9A(Vin=100VAC) / 1.9A (Vin=200VAC)								
9	INRUSH CURRENT (TYP) (*10)	-	15A / 100VAC 30A / 200VAC (Ta=25°C)								
10	OUTPUT VOLTAGE	–	CH1 +5V fixed, CH2.3 fixed Shipment condition: CH1: ±1%, CH2: ±3%, CH3: ±5%								
11	MAX. RIPPLE & NOISE (* 3)	-	±5V: 120mV; ±12V: 150mV; ±15V: 150 mV								
12	MAX. LINE REGULATION (*3,4)	-	CH1:1%, CH2: 2%, CH3: 1%								
13	MAX. LOAD REGULATION (*3,5)	-	CH1:2%, CH2: 4%, CH3: 2%								
14	MAX. TEMPERATURE DRIFT (*3,6)	-	0.04%/°C								
15	OVER CURRENT PROTECTION (* 7)	-	Automatic recovery, O.C.P point: 105% ~								
16	OVER VOLTAGE PROTECTION (* 8)	-	6V ~ (CH1 only)								
17	HOLD - UP TIME (TYP) (* 1)	-	17ms (Input 100VAC)								
18	OPERATING TEMPERATURE (* 9)	-	Convection cooling 0 ~ 50°C:100% load; 60°C:70% load								
19	OPERATING HUMIDITY	-	30% ~ 90%RH								
20	STORAGE TEMPERATURE	-	-20°C ~ +85°C								
21	STORAGE HUMIDITY	-	10% ~ 95%RH								
22	COOLING	-	Convection cooling								
23	EMI	-	Conform to FCC-B, VCCI-2, EN55022B								
24	WITHSTAND VOLTAGE	-	I/P-O/P:3kVAC(20mA),I/P-FG:2.5kVAC(20mA),O/P-FG:500VAC(100mA) for 1min								
25	ISOLATION RESISTANCE	-	More than 100MΩ at Ta=25°C and 70%RH, Output - FG 500VDC								
26	VIBRATION	-	10 ~ 55Hz Amplitude (sweep 1min) Less than 19.6m/s^2 X ,Y ,Z 1Hr each								
27	SHOCK	-	Less than 196.1m/s^2								
28	OUTPUT GROUNDING	-	All channels common ground (3 terminals)								
29	SAFETY	-	Conform to UL60950-1, CSA60950-1, EN60950-1, DENAN								
30	WEIGHT	-	600g								
31	SIZE (W*D*H)	m/m	108.0 x 196.9 x 45.0								
		inch	4.25 x 7.75 x 1.77 (3.75 x 7.25 mounting hole Φ 3.5mm)								

NOTES:

*1. At 100VAC, 200VAC and MAX. OUTPUT POWER (Convection cooling), Ta=25°C.

*2. For cases where conformance to various safety specs (UL,CSA, EN) are required to be described as 100~120VAC, 200~240VAC, 50/60 Hz on name plate.

*3. Please refer to Fig A for measurement determination of line & load regulation and output ripple voltage. (Measure with JEITA RC-9131 probe)

*4. From 85~132VAC / 170~265VAC, constant load.

*5. From Min. load - Full load (Maximum power), constant input voltage.

*6. From 0°C ~ +50°C, constant input voltage and load.

*7. Current limiting with automatic recovery. Avoid to operate over load or dead short for more than 30 seconds.

*8. Over voltage clamping by zener diode.

*9. At standard mounting method, Fig B.

*10. When resuming operation in less than 5sec. after power failure, soft start circuit will not limit the in-rush current at turn-on.

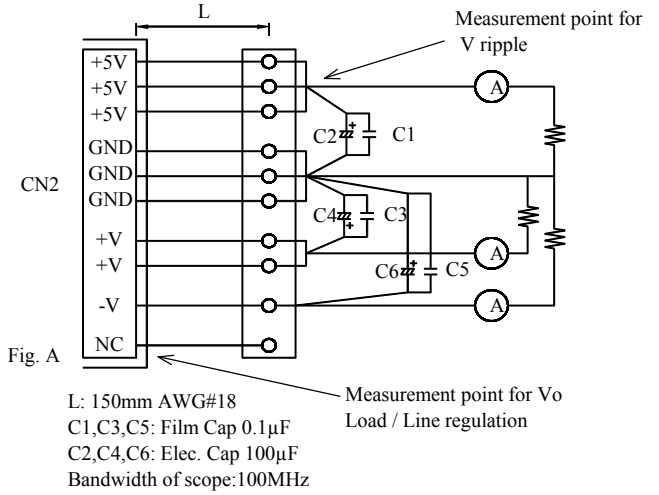


Fig. A

L: 150mm AWG#18
C1,C3,C5: Film Cap 0.1μF
C2,C4,C6: Elec. Cap 100μF
Bandwidth of scope:100MHz

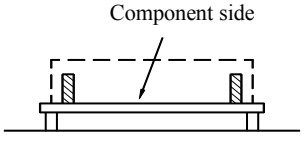


Fig. B

SWT100

OUTPUT DERATING

CA704-01-02A

Ta (°C)	LOADING CONDITION (%)				
	Mounting A	Mounting B	Mounting C	Mounting D	Mounting E
0	100	100	100	100	100
20	100	100	100	100	100
40	100	100	100	100	75
50	100	75	75	75	75
60	70	50	50	50	50

