

SWT40 Specifications

NEMIC-LAMBDA

CA701-01-01C

*:For delivery, contact to our sales office.

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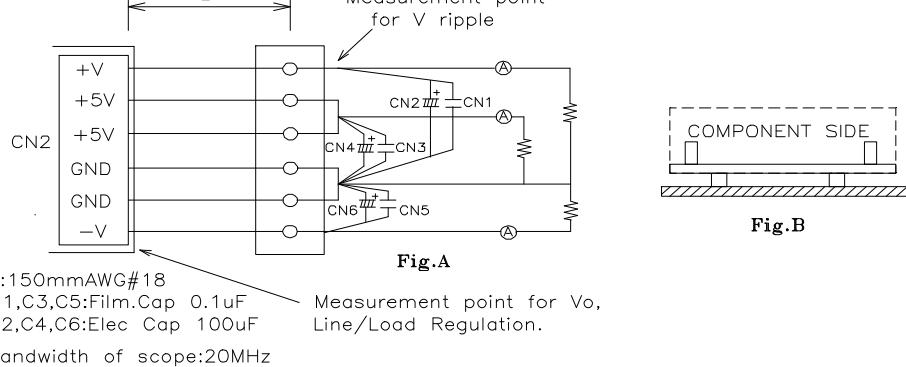
ITEMS	MODEL	SWT40-522			SWT40-525			SWT40-5FF			
		CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	
1 Nominal Output Voltage	V	+5	+12	-12	+5	+12	-5	+5	+15	-15	
2 Minimum Output Current	A	0.2	0.3	0	0.2	0.3	0	0.2	0.3	0	
3 Maximum Output Current	A	3	2	0.3	3	2	0.3	3	1.5	0.3	
4 Peak Output Current (*10)	A	4.5	3	-	4.5	3	-	4.5	2.4	-	
5 Maximum Output Power (Peak)	W	42.6(54.6)			40.5 (51.6)			42 (51.6)			
6 Efficiency (Typ) (*1)	-	70%									
7 Input Voltage Range (*2)	-	85 - 265VAC(Continuously), 47 - 63Hz /110 - 340VDC									
8 Input Current (Typ) (*1)	-	1.11A (Vin=100VAC) / 0.55A (Vin=200VAC)									
9 Inrush Current(Typ)	-	15A / 100VAC, 30A / 200VAC (cold start Ta=25°C)									
10 Output Voltage	-	CH1 (+5V) Fixed, CH2,3 Fixed Shipment condition : CH1:±1%, CH2(+12V) :±3%, CH2(+15V) :±5%, CH3 :±5%									
11 Maximum Ripple & Noise (*3)	-	±5V:120mV, ±12V:150mV, ±15V:150mV									
12 Maximum Line Regulation (*3,4)	-	CH 1: 1%, CH2 : 2%, CH3 : 1%									
13 Maximum Load Regulation (*3,5)	-	CH 1: 2%, CH2 : 4%, CH3 : 2%									
14 Maximum Temperature Drift (*3,6)	-	0.04% / °C									
15 Over Current Protection (*7)	-	Automatic recovery, O.C.P point : 140% -									
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 (No dewdrop)									
20 Storage Temperature	-	-20 - +85°C									
21 Storage Humidity	-	10 - 95%RH (No dewdrop)									
22 Cooling	-	Convection Cooling									
23 Withstand Voltage	-	Input - Output : 3kVAC (20mA), Input - FG : 2.5kVAC (20mA) Output - FG : 500VAC (100mA) for 1min									
24 Isolation Resistance	-	More than 100MΩ at 25°C and 70%RH , Output - FG : 500VDC									
25 Vibration	-	10 - 55Hz Amplitude (Sweep for 1min). Less than 2G, X,Y,Z 1hour each.									
26 Shock	-	Less than 20G									
27 Output Grounding	-	All channels common ground (2 terminals)									
28 Safety	UL1950	-	Approved								
	CSA950	-	Approved								
	EN60950	-	Approved								
	DENTORI	-	Built to meet								
29 EMI	-	Built to meet EN55011-B,EN55022-B, FCC-ClassB, VCCI-2.									
30 Radiated Emission	-	Built to meet EN55011-B,EN55022-B, FCC-ClassB, VCCI-2.									
31 Weight	g	280									
32 Size (WxHxD)	mm	76.2 x 127 x 35.6 (Refer to Outline Drawing)									
	inch	3.00 x 5.00 x 1.40(2.55 x 4.55 mounting hole ø3.5mm)									

*Read instruction manual carefully, before using the power supply unit.

=NOTES=

- *1. At 100VAC/ 200VAC and Maximum. 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.
- *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. Peak current operation is less than 10 sec. with duty factor less than 30%.

In addition, it does not has to satisfy the total regulation specification.



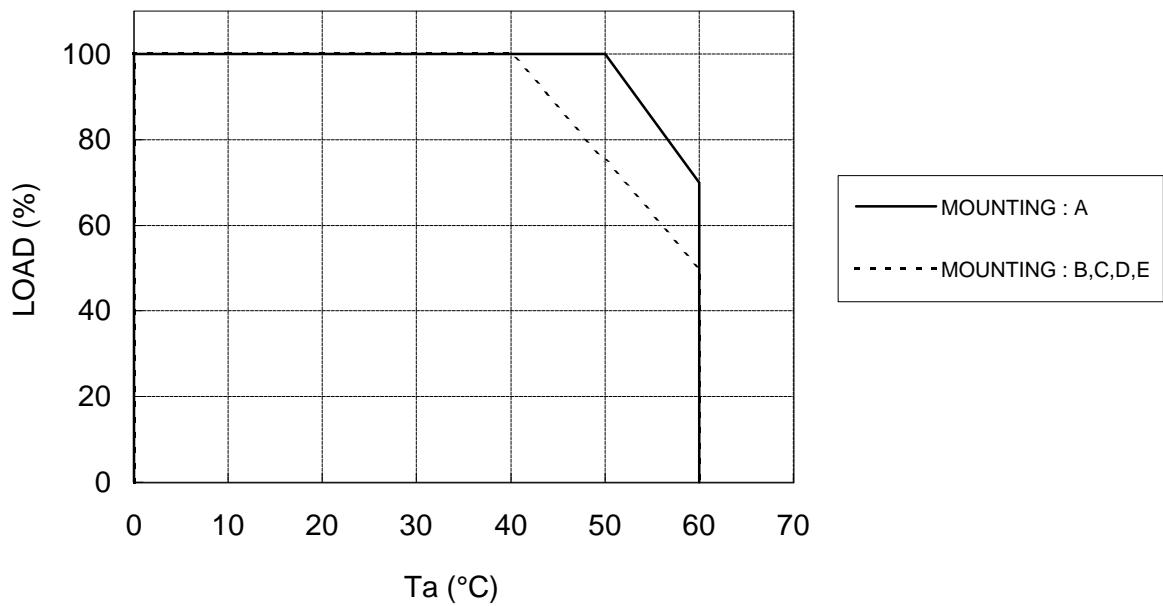
SWT 40 OUTPUT DERATING

NEMIC-LAMBDA

CA702-01-03A

Ta (°C)	LOAD(%)				
	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	100
50	100	75	75	75	75
60	70	50	50	50	50

OUTPUT DERATING CURVE



MOUNTING : A MOUNTING : B MOUNTING : C MOUNTING : D MOUNTING : E DON'T USE
(STANDARD MOUNTING)

