LWT50H

SPECIFICATIONS

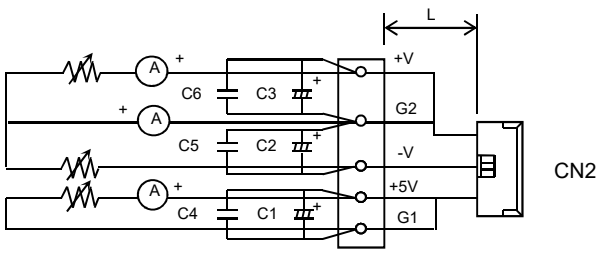
PA787-01-01D

ITEMS / MODEL				LWT50H-5FF			LWT50H-522			LWT50H-525		
1	Nominal Output Voltage		V	+5±1%	+15	-15	+5±1%	+12	-12	+5±1%	+12	-5
2	Minimum Output Current		A	1.0	0	0	1.0	0	0	1.0	0	0
3	Maximum Output Current		A	8.0	1.5	1.0	8.0	1.5	1.0	8.0	1.5	1.0
4	Maximum Output Power /CH		W	40.0	22.5	15.0	40.0	18.0	12.0	40.0	18.0	5.0
5	Total Allowable Output Power		-	50W								
6	Efficiency (Typ)	(*1)	%	73			72			70		
7	Input Voltage Range	(*8)	-	85 - 265VAC (47 - 440Hz) or 110 - 330VDC								
8	Input Current (Typ) 100/200V		-	1.2A / 0.7A								
9	In-rush Current (Typ)	(*2)	-	16A at 100VAC, 32A at 200VAC								
10	Output Voltage Range		-	CH1 : (+5%, -0% max); CH2, CH3 : FIXED (±5% max)								
11	Maximum Ripple & Noise	(*1, 7)	mV	100	150	150	100	150	150	100	150	150
12	Maximum Line Regulation	(*3, 7)	mV	50	150	150	50	120	120	50	120	50
13	Maximum Load Regulation	(*4, 7)	mV	100	300	300	100	240	240	100	240	100
14	Over Current Protection	(*5)	-	More than 105% for each channel								
15	Over Voltage Protection	(*6)	-	CH1 Only … 5.75V - 6.75V								
16	Hold-Up Time (Typ)	(*1)	-	20ms at 100VAC								
17	Conducted EMI		-	Designed to meet VDE 0871B, FCC 20780B								
18	Safety Agency		-	Approved by UL62368-1, CSA62368-1, EN62368-1, UL60950-1, CSA60950-1, EN60950-1 (Expire date of 60950-1 : 20/12/2020)								
19	Parallel Operation		-	-								
20	Remote ON/OFF		-	-								
21	Remote Sensing		-	-								
22	Operating Temperature	(*9)	-	0 to 60°C Convection cooled : 0 to 40°C…50W, 50°C…40W, 60°C…30W								
23	Operating Humidity		-	30 to 90% RH								
24	Storage Temperature		-	-30 to 85°C								
25	Storage Humidity		-	10 to 95% RH								
26	Cooling		-	Convection Cooled								
27	Temperature Coefficient		-	CH1…Less than 1%, CH2,CH3…less than 2% at 0 to 60°C								
28	Withstand Voltage		-	Input - Chassis : 2kVAC, Input - Output : 3kVAC 1min (20mA)								
29	Isolation Resistance		-	More than 100MΩ at 25°C and 70%RH Output - Chassis ... 500VDC								
30	Vibration		-	10 to 55Hz (sweep 1 min) Less than 19.6m/s^2 X,Y,Z 1h each								
31	Shock		-	Less than 196.1m/s^2								
32	Weight		-	400g								
33	Size (WxHxD)		mm	97 x 26 x 160 (Refer to Outline Drawing)								

NOTES :

*1 : At 100VAC and Maximum Output Power (5V 6A, CH2,CH3 total 20W).
*2 : Typical value at cold start Ta = 25°C.
*3 : From 85 - 265VAC or 110 - 330VDC, constant load.
*4 : From Min output current - Max output current.
*5 : The operation of the OCP will be given priority by the output total power at more than 53W.
*6 : Inverter shutdown method, manual reset. (OVP circuit will shutdown all outputs).
*7 : Please refer to Fig. A for measurement determination of line & load regulation and output ripple voltage.
*8 : For cases where conformance to various safety specs (UL, CSA, EN, etc.) are required, input voltage and frequency range will be 100 - 240VAC, 50/60Hz.
*9 : Applies to Std. Mounting position. For other mounting position, refer to Instruction Manual.

Fig.A



L : 120mm AWG #18 (Dual Wire)
C1 : Elec. Cap 1000μF
C2 : Elec. Cap 100μF
C3 : Elec. Cap 220μF
C4, 5, 6 : Film Cap 0.1μF
Bandwidth of scope : 100MHz JEITA Probe