

**LWT50H**

**SPECIFICATIONS**

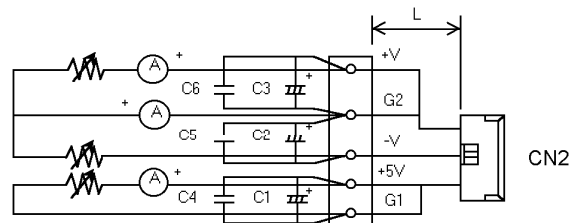
PA767-01-01B

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)	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	-	Built to meet UL1950, CSA234, IEC950, EN60950, S.E.L.V.								
19	Parallel Operation	-	-								
20	Remote ON/OFF	-	-								
21	Remote Sensing	-	-								
22	Operating Temperature (*9)	-	0 ~ 60°C Convection cooled : 0 ~ 40°C...50W, 50°C...40W, 60°C...30W								
23	Operating Humidity	-	30 ~ 90% RH								
24	Storage Temperature	-	-30 ~ 85°C								
25	Storage Humidity	-	10 ~ 95% RH								
26	Cooling	-	Convection Cooled								
27	Temperature Coefficient	-	CH1...Less than 1%, CH2,CH3...less than 2% at 0 ~ 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 ~ 55Hz (sweep 1 min) Less than 19.6m/s <sup>2</sup> X,Y,Z 1h each								
31	Shock	-	Less than 196.1m/s <sup>2</sup>								
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, VDE, 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

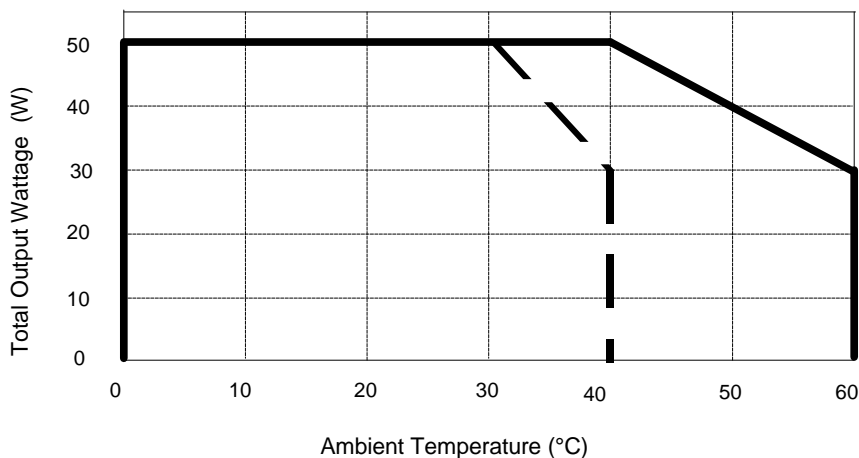
Bandwidth of scope : 100MHz EIAJ Probe

# LWT 50H OUTPUT DERATING

NEMIC-LAMBDA

Ta (°C)	TOTAL OUTPUT POWER (W)			
	MOUNTING : A	MOUNTING : B	MOUNTING : C	MOUNTING : D
0 ~ 20	50	50	50	50
30	50	50	50	50
40	50	50	30	30
50	40	40	-	-
60	30	30	-	-

OUTPUT DERATING CURVE  
Convection Cooling



———— Mounting (A), (B)      - - - - Mounting (C), (D)

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

