

LWT30H

SPECIFICATIONS

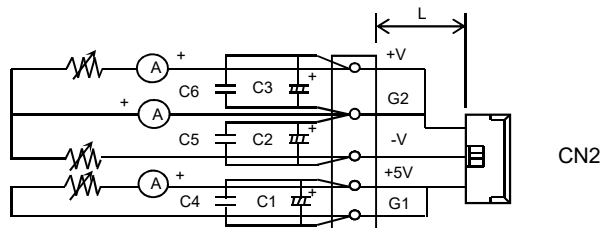
PA786-01-01D

ITEMS		MODEL	LWT30H-5FF			LWT30H-522			LWT30H-525			
1	Nominal Output Voltage	V	+5±1%	+15	-15	+5±1%	+12	-12	+5±1%	+12	-5	
2	Minimum Output Current	A	0.7	0	0	0.7	0	0	0.7	0	0	
3	Maximum Output Current	A	5.0	1.2	0.6	5.0	1.2	0.6	5.0	1.2	0.6	
4	Maximum Output Power /CH	W	25.0	18.0	9.0	25.0	14.4	7.2	25.0	14.4	3.0	
5	Total Allowable Output Power	-	30W									
6	Efficiency (Typ)	(*1)	73%									
7	Input Voltage Range	(*8)	85 - 265VAC (47 - 440Hz) or 110 - 330VDC									
8	Input Current (Typ) 100/200V	-	0.7A / 0.42A									
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	
12	Maximum Line Regulation	(*3, 7)	mV	50	150	150	50	120	120	50	120	
13	Maximum Load Regulation	(*4, 7)	mV	100	300	300	100	240	240	100	240	
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...30W, 50°C...24W, 60°C...18W								
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	-	300g									
33	Size (WxHxD)	mm	70 x 26 x 160 (Refer to Outline Drawing)									

NOTES :

- *1 : At 100VAC and Maximum Output Power (5V 4A, CH2,CH3 total 10W).
- *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 32W.
- *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 : 200mm AWG #20 (Dual Wire)

C1 : Elec. Cap 470μF

C2 : Elec. Cap 47μF

C3 : Elec. Cap 100μF

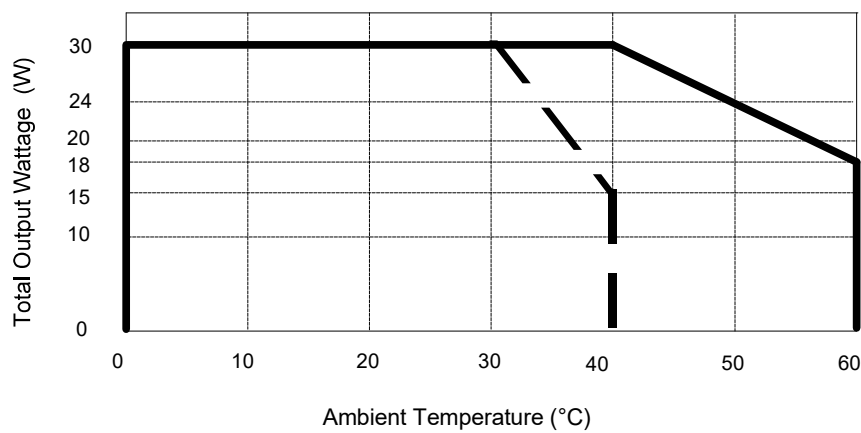
C4, 5, 6 : Film Cap 0.1μF

Bandwidth of scope : 100MHz JEITA Probe

LWT 30H OUTPUT DERATING

Ta (°C)	TOTAL OUTPUT POWER (W)			
	MOUNTING : A	MOUNTING : B	MOUNTING : C	MOUNTING : D
0 ~ 20	30	30	30	30
30	30	30	30	30
40	30	30	15	15
50	24	24	-	-
60	18	18	-	-

OUTPUT DERATING CURVE
Convection Cooling



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

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

