

LWT15H

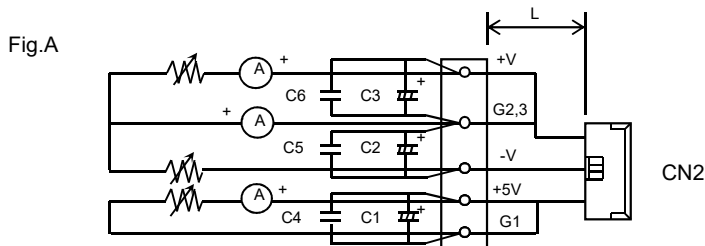
SPECIFICATIONS

PA785-01-01B

ITEMS	MODEL	LWT15H-5FF			LWT15H-522			LWT15H-525			
		V	A	W	V	A	W	V	A	W	
1	Nominal Output Voltage	V	+5±1%	+15	-15	+5±1%	+12	-12	+5±1%	+12	-5
2	Minimum Output Current	A	0.5	0	0	0.5	0	0	0.5	0	0
3	Maximum Output Current	A	3.0	0.6	0.4	3.0	0.6	0.4	3.0	0.6	0.4
4	Maximum Output Power /CH	W	15.0	9.0	6.0	15.0	7.2	4.8	15.0	7.2	2.0
5	Total Allowable Output Power	-	17W								
6	Efficiency (Typ) (*1)	-	72%								
7	Input Voltage Range (*8)	-	85 - 265VAC (47 - 440Hz) or 110 - 330VDC								
8	Input Current (Typ) 100/200V	-	0.40A / 0.22A								
9	In-rush Current (Typ) (*2)	-	14A at 100VAC, 28A 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...17W, 50°C...14W, 60°C...10W								
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	-	220g								
33	Size (WxHxD)	mm	60 x 26 x 128 (Refer to Outline Drawing)								

NOTES :

- *1 : At 100VAC and Maximum Output Power (5V 2A, CH2,CH3 total 7W).
- *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 18W.
- *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.



L : 150mm AWG #20 (Single Wire)

C1 : Elec. Cap 470μF

C2, 3 : Elec. Cap 47μF

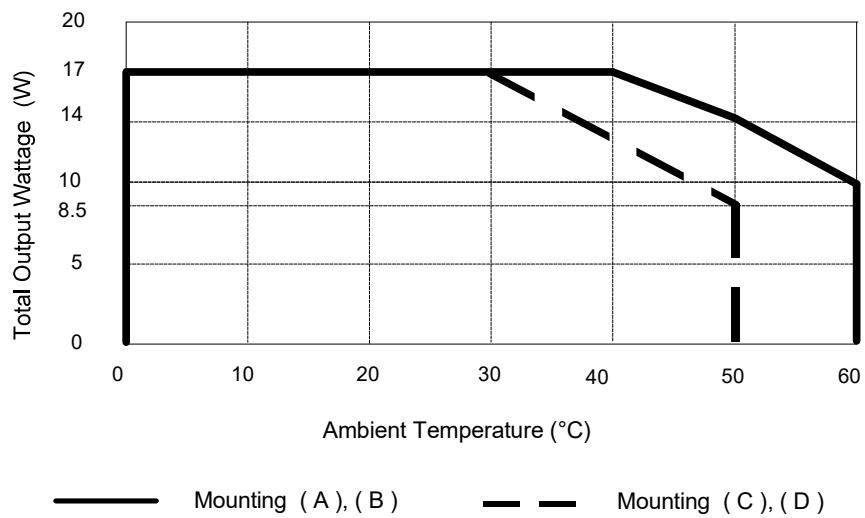
C4, 5, 6 : Film Cap 0.1μF

Bandwidth of scope : 100MHz JEITA Probe

LWT 15H OUTPUT DERATING

Ta (°C)	TOTAL OUTPUT POWER (W)			
	MOUNTING : A	MOUNTING : B	MOUNTING : C	MOUNTING : D
0 ~ 20	17	17	17	17
30	17	17	17	17
40	17	17	8.5	8.5
50	14	14	-	-
60	10	10	-	-

OUTPUT DERATING CURVE
Convection Cooling



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

