Low Profile Triple Output

Features

- 26mm height
- Outputs 2 and 3 isolated from output 1
- Universal Input (85 - 265VAC)
- Low Profile
- Wattbox design on LWT

Key Market Segments & Applications

Industrial Test

RoHS

Specifications

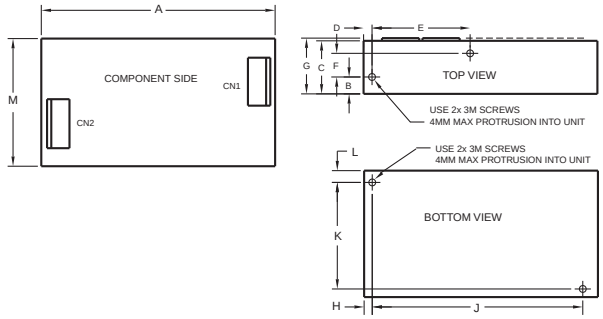
Model		LWT15H	LWT30H	LWT50H
Max Output Power (typ)	W	17	30	50
Efficiency (Typ)	%	72	73	72
AC Input Voltage range	-	85 - 265VAC (47 - 440Hz)		
DC Input Voltage range	-	110 - 350VDC	110 - 330VDC	
Input Current Typ (100/200VAC)	A	0.4/0.22	0.7/0.42	1.2/0/7
Inrush Current (110/200VAC)	A	14/28	16/32	16/32
Output 1 Voltage Adjustment	-	5V: 5 to 5.25V, 12V: 12 to 12.6V, 15V: 15V to 15.75V		
Output Voltage Accuracy	-	Output 2 & 3 ±5%		
Temperature Coefficient	-	Output 1 < 1%, Output 2 or 3, <2% at 0 - 60°C		
Line Regulation	-	1%		
Load Regulation	-	2%		
Ripple & Noise	-	Output 1: 100mV, Outputs 2 & 3: 150mV		
Overcurrent Protection	-	>105%		
Overvoltage Protection	V	Main output only: 5.75 - 6.75V, manual reset		
Hold Up Time (Typ at 100VAC)	ms	20		
Series Operation	-	Possible		
Operating Temperature	-	LWT: 0°C to +60°C, derate as follows: 40°C: 100%, 50°C: 80%, 60°C: 60%		
Storage Temperature	°C	-30 to +85°C		
Operating Humidity	-	30 - 90% RH (Non condensing)		
Storage Humidity	-	10 - 95% RH (Non condensing)		
Cooling	-	Convection		
Withstand Voltage	-	Input to Gnd 2kVAC Input to Output 3kVAC (20mA)		
Isolation Resistance	-	>100M at 25C & 70%RH, Output to Ground 500VDC		
Vibration (non operating)	-	10-55Hz(1 min) <19.6m/s^2 (1 hr)		
Shock	-	196.1m/s^2		
Safety Agency Approvals	-	IEC/UL/CSA/EN62368-1, 60950-1, CE Mark		
Conducted EMI	-	VDE Class B, FCC Class B		
Weight (Typ)	g	220	300	400
Size (WxHxD)	mm	Please refer to outline drawings		
Warranty	-	One Year		

Note: See Installation Manual for full details, test methods of parameters and application notes

Options

Model	Output	Voltage	Min Current	Max Current
LWT15H-522	V1	5V	0.5	3.0
	V2	+12V	0.0	0.6
	V3	-12V	0.0	0.4
LWT15H-5FF	V1	5V	0.5	3.0
	V2	+15V	0.0	0.6
	V3	-15V	0.0	0.4
LWT15H-525	V1	5V	0.5	3.0
	V2	+12V	0.0	0.6
	V3	-5V	0.0	0.4
LWT30H-522	V1	5V	0.7	5.0
	V2	+12V	0.0	1.2
	V3	-12V	0.0	0.6
LWT30H-5FF	V1	5V	0.7	5.0
	V2	+15V	0.0	1.2
	V3	-15V	0.0	0.6
LWT30H-525	V1	5V	0.7	5.0
	V2	+12V	0.0	1.2
	V3	-5V	0.0	0.6
LWT50H-522	V1	5V	1.0	8.0
	V2	+12V	0.0	1.5
	V3	-12V	0.0	1.0
LWT50H-5FF	V1	5V	1.0	8.0
	V2	+15V	0.0	1.5
	V3	-15V	0.0	1.0
LWT50H-525	V1	5V	1.0	8.0
	V2	+12V	0.0	1.5
	V3	-5V	0.0	1.0

LW Outline Drawing



DIMENSIONS:

MODEL	A	B	C	D	E	F	G	H	J	K	L	M
LWT-15	5.03 (128.0)	.31 (7.9)	.98 (25.0)	.15 (3.8)	1.811 (46.0)	.433 (11.0)	1.02 (26.0)	.15 (3.8)	3.897 (99.0)	1.988 (50.5)	.21 (5.5)	2.36 (59.9)
LWT-30	6.29 (160.0)	.47 (12.0)	.98 (25.0)	1.77 (45.0)	3.937 (99.9)	.314 (8.0)	1.02 (26.0)	.66 (17.0)	5.433 (138.0)	.905 (23.0)	1.69 (43.0)	2.75 (70.0)
LWT-50	6.29 (159.7)	.35 (8.8)	1.02 (26.0)	.39 (10.0)	4.625 (117.5)	.433 (11.0)	-	1.67 (42.4)	3.602 (91.5)	3.228 (82.0)	.31 (7.8)	3.82 (97.0)

WEIGHT:

MODEL	LBS
LWT-15	.50
LWT-30	.70
LWT-50	1.00

1. DIMENSIONS ARE IN INCHES EXCEPT DIMENSIONS IN ( ) ARE IN MM.
2. 4x M3 TAPPED HOLES FOR CUSTOMER MTG.
   SCREWS MUST NOT PROTRUDE INTO P.S. BY MORE THAN .15 (4) MAX.

Other Industrial Products

HWS	15W-1500W Single output
ZWQ	80W-170W Quad output
ZP	20W-60W Single, dual & triple output
LS	25W-150W Single output, low cost
MTW	15W-60W Triple output

For additional information, please visit
https://product.tdk.com/en/power/