

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



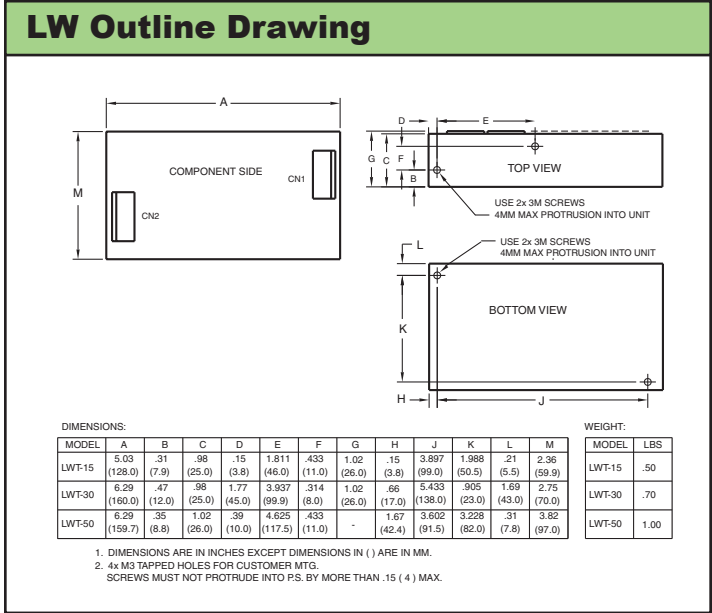
Key Market Segments & Applications



| Specifications | | 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 25°C & 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 | - | UL60950-1, CSA60950-1, EN60950-1, CE LVD | | |
| 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 |



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
us.tdk-lambda.com/lp/products/lw-series.htm

