

Excellent Integrated System Limited

Stocking Distributor

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[Qualtek Electronics Corp.](#)

[QPSF-125-28](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

125Watts Single Output

Features:

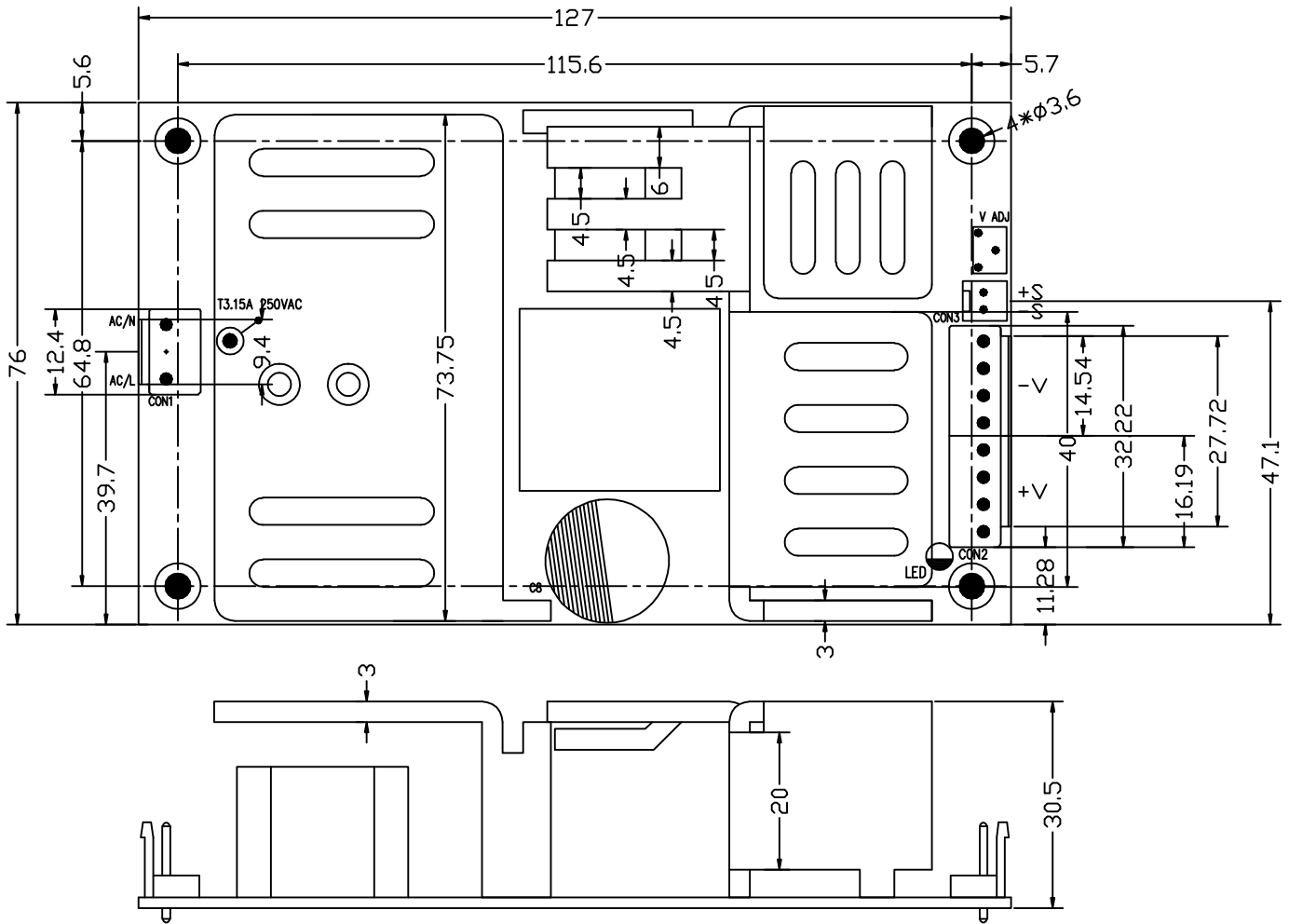
- Universal AC input/ Full range
- Built-in active PFC function, PF>0.93
- High Efficiency, and High Reliability
- Wide Operating Ambient Temperature (-20°C~60°C)
- Output Protections: OLP/OVP/SCP
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test



Model	QPSF-125-5	QPSF-125-12	QPSF-125-15	QPSF-125-24	QPSF-125-28	QPSF-125-48
Output Characteristics						
DC Output	5V	12V	15V	24V	28V	48V
Rated Current	20A	10.5A	8.4A	5.2A	4.5A	2.6A
Current Range	0~20A	0~10.5A	0~8.4A	0~5.2A	0~4.5A	0~0.42A
Ripple and Noise	100mV	100mV	100mV	100mV	120mV	150mV
Voltage ADJ. Range	±10% of rated output voltage					
Voltage Accuracy	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%
Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Load Regulation	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%
Set-up Time	<2500ms (115VAC input, full load); <1200ms (230VAC input, full load)					
Hold-up Time	>17ms (115VAC input, full load); >17ms (230VAC input, full load)					
Temperature Coefficient	±0.03%/°C					
Overshoot and Undershoot	<5.0%					
Input Characteristics						
Voltage Range	90VAC~264VAC					
Frequency Range	47Hz-63Hz					
Power Factor (Typical)	PF>0.98/115VAC PF>0.93/230VAC					
Efficiency (Typical)	115VAC Input	82%	85%	85%	85%	86%
	230VAC Input	84%	87%	87%	87%	88%
AC Current (max)	1.5A	1.5A	1.5A	1.5A	1.5A	1.5A
Inrush Current (Typical)	30A@115VAC Cold start 60A@230VAC Cold start					
Leakage Current	<3.5mA					
Protection						
Over Load (OLP)	105%~150% of rated output current, hiccup mode, auto recover					
Over Voltage (OVP)	120%~150% of rated output voltage, hiccup mode					
Short Circuit (SCP)	Long-term mode, auto recovery					
Environmental Characteristics						
Operating Amb. Temp. & Hum	-20°C~60°C; 20%~90% RH Non-Condensing					
Storage Temp. & Hum	-40°C~85°C; 10%~95% RH Non-Condensing					
Safety Standards	GB4943-2001; EN60950-1: 2006					
Withstand Voltage	Primary-Secondary: 3.0KVAC;≤10mA. Primary-PG: 1.5KVAC;≤10mA. Secondary-PG: 0.5KVDC;≤10mA					
Isolation Resistance	≥100M ohms					
EMI Conduction & Radiation	Compliance to EN55022(CISPR22) Class B					
Harmonic Current	Compliance to EN61000-3-2,-3					
EMS Immunity	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11; ENV50204, light industry level, criteria A					
General Characteristics						
MTBF (MIL-HDBK-217F)	More than 100,000Hrs (25°C, Full load)					
Dimension (LxWxH)	127x76x30.5mm					
Packing	21PCS/CTN. G.W: 8.46kgs					
Connection	7P/8.025MM barrier terminal block					

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MECHANICAL SPECIFICATIONS



ITEM	CONNECTOR	MATING HOUSING	TERMINAL
AC IN (CON1)	LANDWIN 3961P0300T (CENTER PIN REMOVED)	LANDWIN 3960S OR JST VHR	LANDWIN 3963T011R OR JST SVH-21T-P1.1
DC OUT (CON2)	LANDWIN 3961P0800T		
REMOTE SENSE (CON3)	LANDWIN 2541P0200T	LANDWIN 2510S OR 2540S OR MOLEX 5051	LANDWIN 2563T011X OR 2543T011X OR MOLEX 4809

UNIT: mm