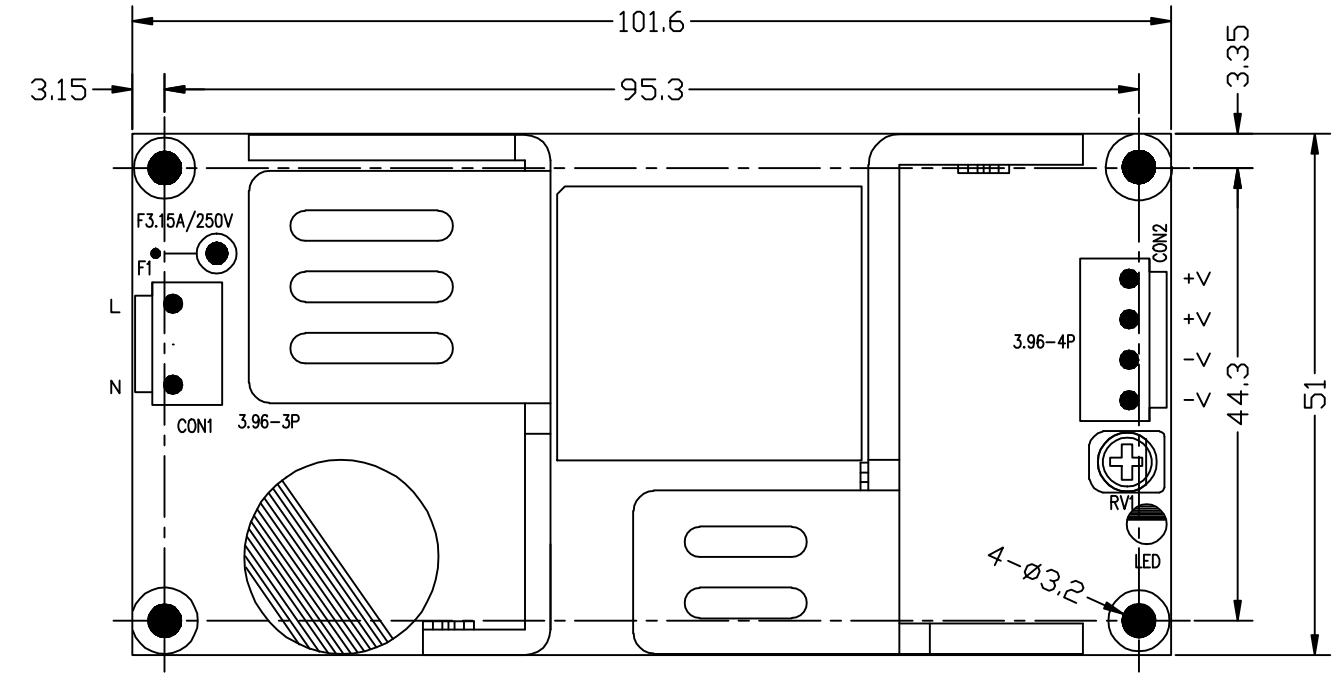


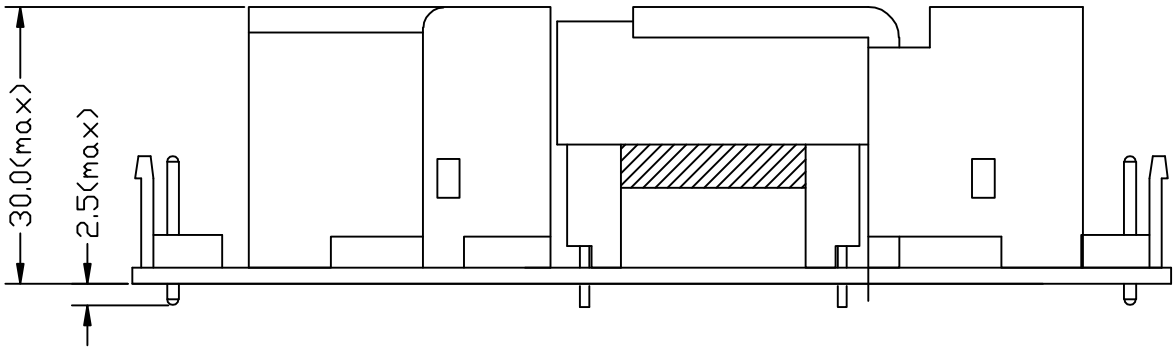
Features:

- Universal AC input/ Full range
- Wide Operating Ambient Temperature (-25°C~70°C)
- High Efficiency, low power consumption
- Output Protections: OLP/OVP/SCP
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test

Model		QPS-60-5	QPS-60-12	QPS-60-15	QPS-60-24	QPS-60-48
Output Characteristics						
DC Output		5V	12V	15V	24V	48V
Rated Current		8A	4.5A	3.6A	2.5A	1.25A
Current Range		0~8A	0~4.5A	0~3.6A	0~2.5A	0~1.25A
Ripple and Noise	0~70°C	<50mV	<120mV	<120mV	<120mV	<240mV
	-25~0°C	<200mV	<300mV	<300mV	<300mV	<360mV
Voltage ADJ. Range		4.5~5.5V	11.2~13.4V	13.8~16.5V	22.2~27.9V	45.0~53.2V
Voltage Accuracy		±3.0%				
Line Regulation		±0.5%				
Load Regulation		±2.0%				
Set-up Time		≤1.0s (230VAC input, full load)				
Hold-up Time		≥20ms (230VAC input, full load)				
Temperature Coefficient		±0.03%/°C				
Overshoot and Undershoot		<5.0%				
Input Characteristics						
Voltage Range		90VAC~264VAC, 127VDC~370VDC				
Frequency Range		47Hz-63Hz				
Efficiency (Typical)	115VAC Input	79%	83%	84%	87%	85%
	230VAC Input	82%	85%	85%	87%	88%
AC Current (max)		<1.5A				
Inrush Current (Typical)		30A@115VAC Cold start 60A@230VAC Cold start				
Leakage Current		<0.25mA				
Protection						
Over Load (OLP)		105%~180% of rated output current, hiccup mode, auto recover				
Over Voltage (OVP)		110%~150% of rated output voltage, constant voltage				
Short Circuit (SCP)		Long-term mode, auto recovery				
Environmental Characteristics						
Operating Amb. Temp. & Hum		-25°C~70°C; 20%~90% RH Non-Condensing				
Storage Temp. & Hum		-40°C~85°C: 10%-95% RH Non-Condensing				
Safety Standards		UL60950-1; EN60950-1: 2006				
Withstand Voltage		Primary-Secondary: 3.0KVAC;≤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 200,000Hrs (25°C, Full load)				
Dimension (LxWxH)		101.6x50.8x30mm				
Packing		60PCS/CTN. G.W: 12kgs				
Cooling Method		Cooling by free air convection				

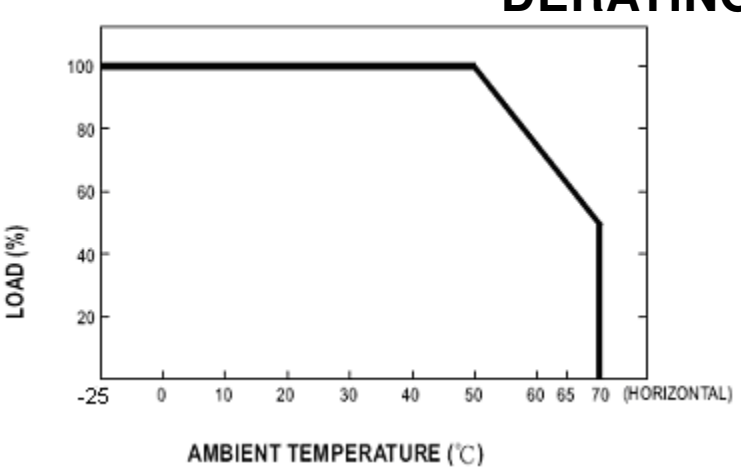
MECHANICAL SPECIFICATIONS

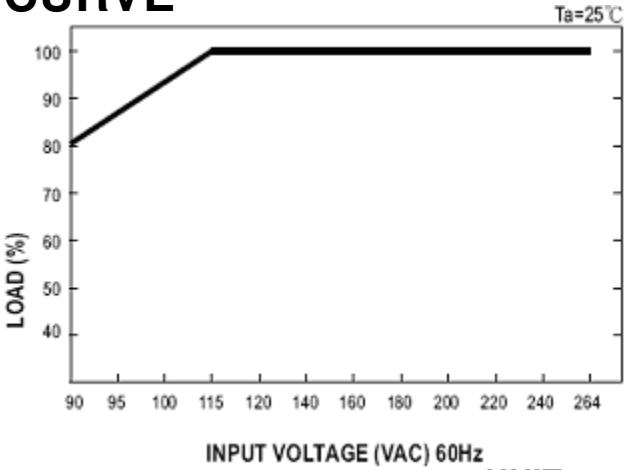




ITEM	CONNECTOR	MATING HOUSING	TERMINAL
AC IN (CON1)	LANDWIN 3961P0300T (CENTER PIN REMOVED)	LANDWIN 3960S OR JST VHR OR MOLEX 51144	LANDWIN 3963T011R OR JST SVH-21T-P1.1 OR MOLEX 50539
DC OUT (CON2)	LANDWIN 3961P0400T		

DERATING CURVE





UNIT: mm