

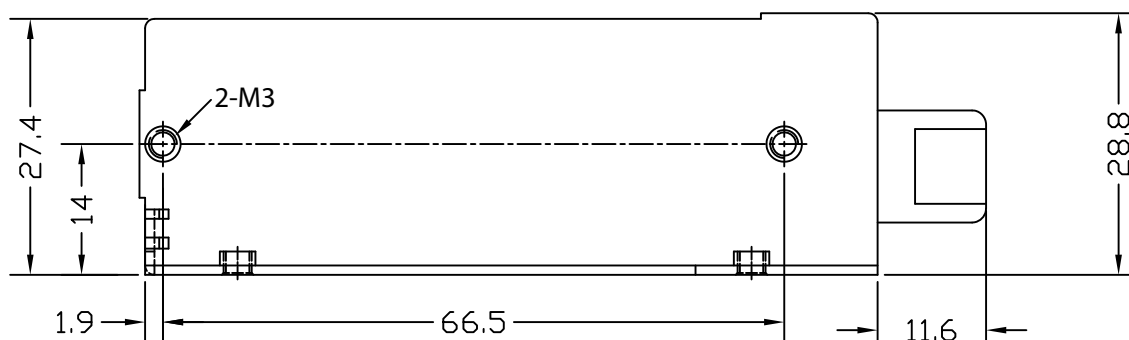
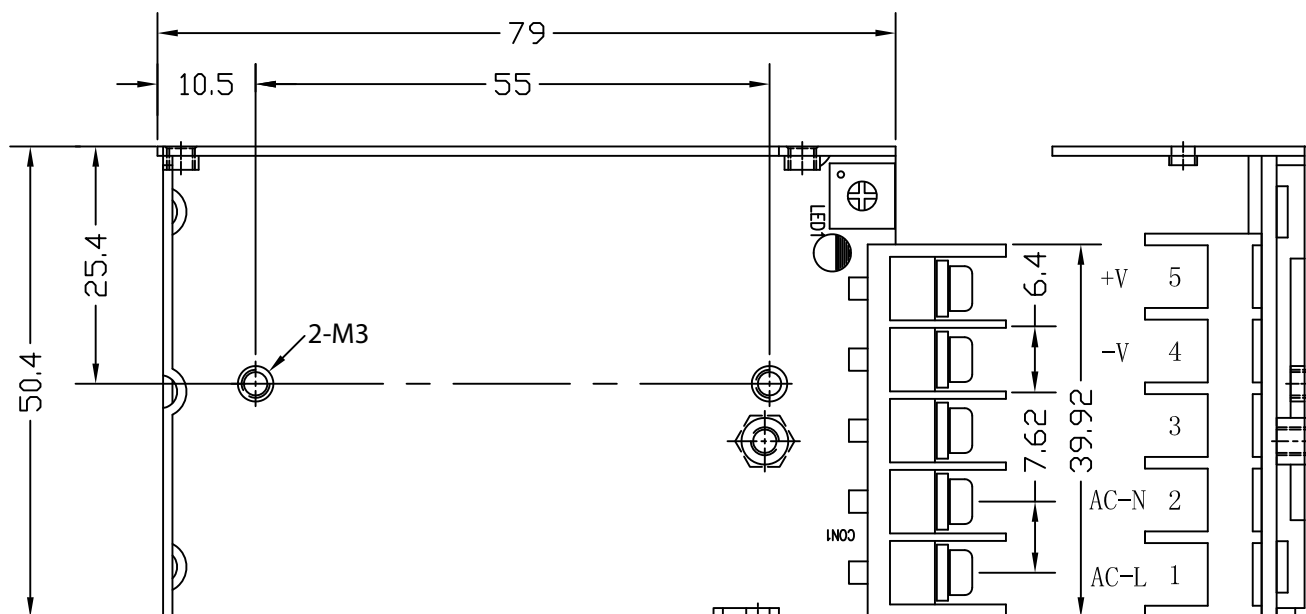
**Features:**

- Universal AC input/ Full range
- No Load Power Consumption <0.5W
- Wide Operating Ambient Temperature (-25°C~70°C)
- High Efficiency, and High Reliability
- Output Protections: OLP/OVP/SCP
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test
- PCB soldering side with conformal coating

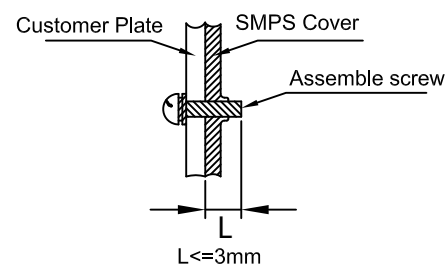


Model		QPD-25-3.3	QPD-25-5	QPD-25-12	QPD-25-15	QPD-25-24
Output Characteristics						
DC Output		3.3V	5V	12V	15V	24V
Rated Current		5A	5A	2.1A	1.6A	1.1A
Current Range		0~5A	0~5A	0~2.1A	0~1.6A	0~1.1A
Ripple and Noise (-20°C~70°C)		<50mV	<50mV	<120mV	<120mV	<120mV
Voltage ADJ. Range		3.0V~3.6V	4.4V~5.5V	10.0V~13.0V	13.8V~16.1V	20.7V~26.7V
Voltage Accuracy		±2.0%	±2.0%	±1.0%	±1.0%	±1.0%
Line Regulation		±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Load Regulation		±2.0%	±2.0%	±1.0%	±1.0%	±1.0%
Set-up Time		<2.0s (115VAC input, full load); <1.0s (230VAC input, full load)				
Hold-up Time		>14ms (115VAC input, full load); >30ms (230VAC input, full load)				
Temperature Coefficient		±0.03%/°C				
Overshoot and Undershoot		<5.0%				
Input Characteristics						
Voltage Range		88VAC~264VAC, 127VDC~370VDC				
Frequency Range		47Hz-63Hz				
Efficiency (Typical)	115VAC Input	70%	76%	80%	82%	84%
	230VAC Input	71%	78%	82%	83%	85%
AC Current (max)		0.7A	0.7A	0.7A	0.7A	0.7A
Inrush Current (Typical)		20A@115VAC Cold start 40A@230VAC Cold start				
Leakage Current		Input-Output: <0.25mA Input-PG: <0.75mA				
Protection						
Over Load (OLP)		105%~150% of rated output current, hiccup mode, auto recovery				
Over Voltage (OVP)		105%~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. 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 200,000Hrs (25°C, Full load)				
Dimension (LxWxH)		79x51x28.8mm				
Packing		48PCS/CTN. G.W: 10.4kgs				
Cooling Method		Cooling by free air convection				

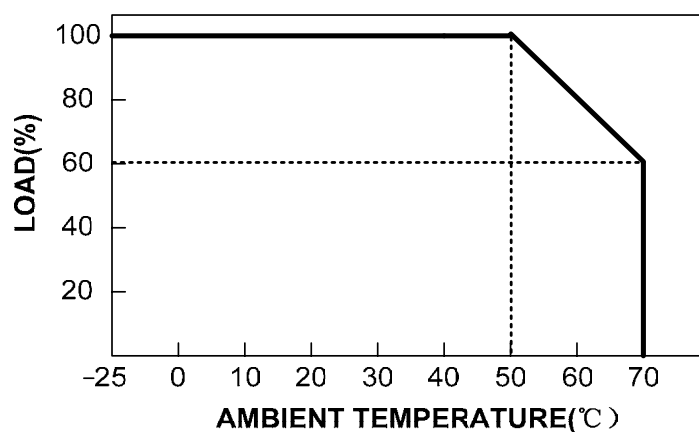
MECHANICAL SPECIFICATIONS



Pin No.	Assignment
1	AC-L
2	AC-N
3	F.G
4	DC output -V
5	DC output +V



DERATING CURVE



UNIT: mm

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Qualtek:

[QPD-25-3.3](#) [QPD-25-5](#) [QPD-25-12](#) [QPD-25-15](#) [QPD-25-24](#)