



ETA-USA

HIGH QUALITY SWITCHING POWER SUPPLIES

AC/DC SWITCHING POWER SUPPLY
DUAL OUTPUT
120 WATTS
UNIVERSAL INPUT

ZWD120-FWX-W SERIES

General Description



Features

- High reliability
- Burn-in and hi-pot tested
- Flexible DC output combination from 3.3V to 48V
- Safety approvals (Pending), EMC compliance
- Overload protection
- Short-circuit protection
- Over temperature protection

Options

Pending certification:



Application

Broad needs

Input

Input Voltage:	AC100-240V
Input Voltage Range:	AC90~264V
Input current:	2.5A (RMS) @ 115VAC
Frequency:	50/60 Hz
Frequency Range:	47~63Hz
Phase:	Single
Inrush Current: *1	<40A (max.) at AC115VAC <80A (max.) 230VAC , cold start at 25°C
Input Current (RMS)	2.5A @ 115VAC





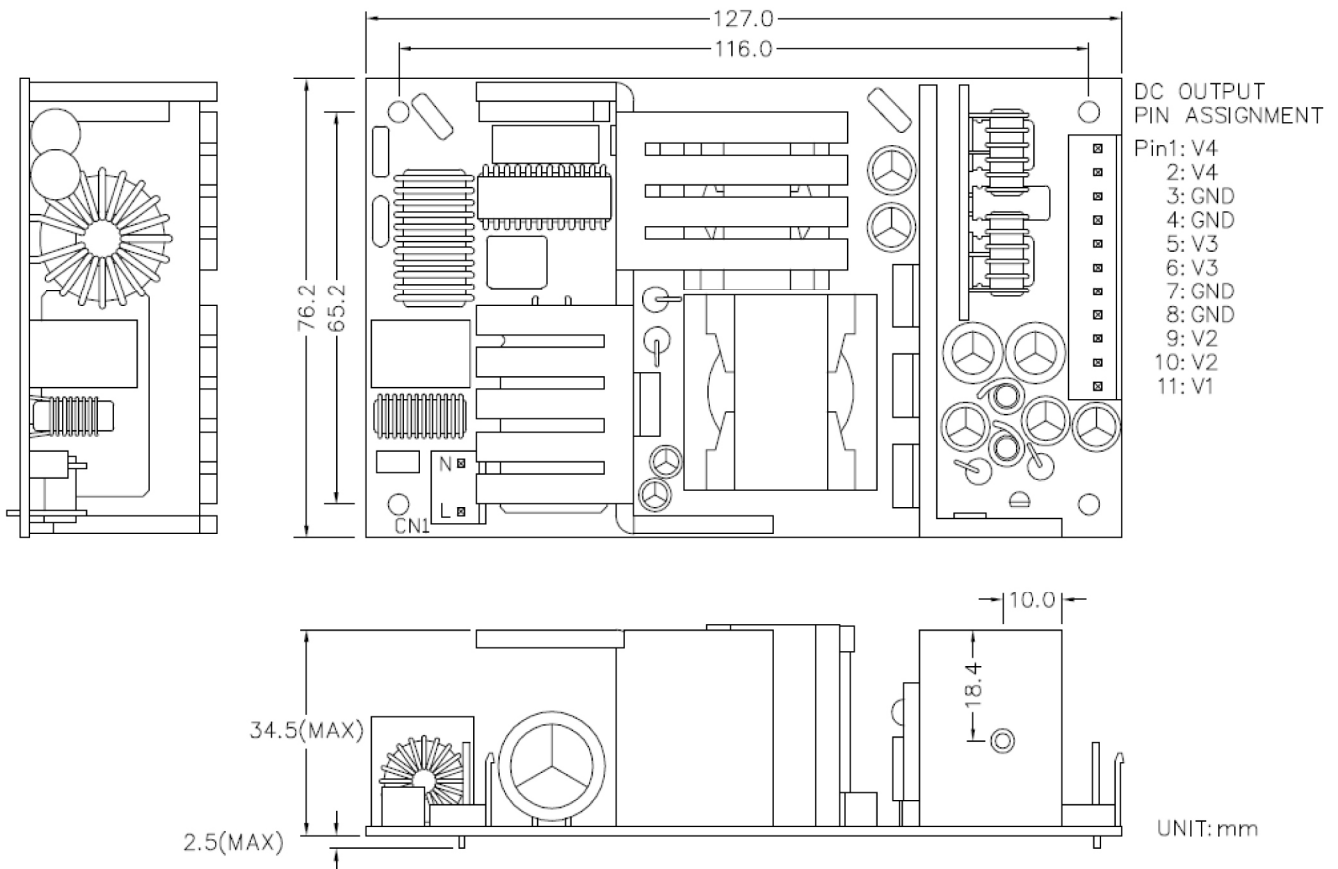
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Output Characteristic	Unit	Models					
		ZWD120-1224FWX-W		ZWD120-0524FWX-W		ZWD120-0512FWX-W	
Output Voltage	V _{dc}	12	24	5	24	5	12
Output Current	A	6	3.5	10	3.5	10	6
Voltage Adjust Range	V	±5% of Rated Output Voltage (at no load within the input range)					
Ripple & Noise(max)	mV _{pp}	120	240	50	240	50	120
Rise time	mS	No information available					
Hold up time	mS	16 mS at full load and 115VAC nominal line					

Efficiency *1	%	80% typical
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DIMENSIONS





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Environmental Specification	
Operating Temperature*3	0 to +40°C ambient derate after 40°C
Derating Curve	-2.5%/°C (from 40°C to 60°C), not available at > 60°C
Operating Humidity	5~95[%RH] (non-condensing)
Storage Temperature	-40 to +85°C
Storage Humidity	5~95%/RH (non-condensing)
Temperature Coefficient	±0.05% / °C
Environmental Agencies	
Line Conducted Noise [EMI]	FCC Class B; CISPR22 Class B; EN55022 Class B CE
Line Harmonic Distortion/Current	No information available
Safety	Complies with UL: UL60950-1 pending C-UL: 22.2 CSA60950-1 pending TUV: EN60950-1 pending CB: IEC60950-1 (Pending)
Cooling	Convection
Function/Protection	
Over current Protection	Overload protected @110% to 160% above following maximum rating
Over temperature Protection	Automatic shutdown. Located at HS1 with threshold of 88±4°C typical
Short circuit Protection	Auto-recovery
Remote Sense	Not available
Remote Control	Not Available
Series Operation	No information available
Parallel Operation	No information available
Input Fuse	No information available
MTBF	>100,000 hours at full load and room temperature
Mechanical	
Dimension [mm]	76W × 127L × 34.5H

Conditions:

- *1 Rated input and Rated output
- *2 at Output current quick change 25% to 75%
- *3 At 100% load (convection cooling)



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