

PW-080 Series

80 Watt Open Frame Switching Power Supply 48V Single Output Model



Product Features:

- Universal AC Input
- Industry Standard 3 x 5" Footprint
- Low Profile for 1U High Applications
- Convection Cooled Operation
- International Safety Approvals



INPUT SPECIFICATIONS:

VOLTAGE	Universal Input (90-264 VAC)
FREQUENCY	47-63Hz
INRUSH	80A Max Cold Start
CURRENT	2A @ 115 VAC RMS (Max Continuous)
LEAKAGE	750uA Max @ 264 VAC
HOLD-UP	10ms @ 115 VAC / ms Minimum (230 VAC & Full Load)
EFFICIENCY	70% Typical
HARMONICS	EN61000-3-2 Class A Compliant

OUTPUT SPECIFICATIONS:

ADJUSTMENT RANGE	±10 % (Minimum)
MINIMUM LOAD	None
REGULATION	±3% Max
RIPPLE	±1% pk-k max (20MHz)
SETPOINT ACCURACY	±1%
OVER CURRENT	<160% (Auto-Recovery)
OVER VOLTAGE PROTECTION	110-130% (recycle input to reset)

GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE	0 ~ +70°C (Derate 2.5% per °C above 50°C)
STORAGE TEMPERATURE	-40 ~ +85°C
COOLING	Convection
HUMIDITY	20-90% (non-condensing)
VIBRATION	10-55Hz, 2G, 3Min Period, / 60 min each (3 axes)
SHOCK	20G Peak Acceleration
RELIABILITY	>80,000 hours at full load and 25°C ambient temperature

EMISSIONS:

EMISSIONS	EN55022 Level B (Conducted)
ELECTROSTATIC DISCHARGE	EN61000-4-2, 4kV Contact / 8kV Air
RADITED SUSCEPTIBILITY	EN61000-4-3, 26-1000MHz, 10V/M, 80%AM
EFT / BURSTS	EN61000-4-4, 2kV
SURGES	EN61000-4-5, 2kV Earth, 1kV Line-Line
CONDUCTED IMMUNITY	EN61000-4-6, 0.15-800MHz, 10V 80%
VOLTAGE DIPS	EN61000-4-10, 95% Dip & 10ms, 30% Dip & 500ms
VOLTAGE INTERRUPTIONS	EN61000-4-11, 95% reduction, 5ms
FLUCTUATIONS & FLICKER	EN61000-3-3

SAFETY STANDARDS:

UL	60950-1
CSA	22.2 No. 60950-1
TUV	EN60950-1
CE MARK	Low Voltage Directive

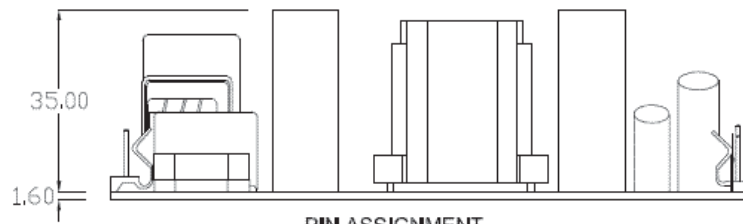
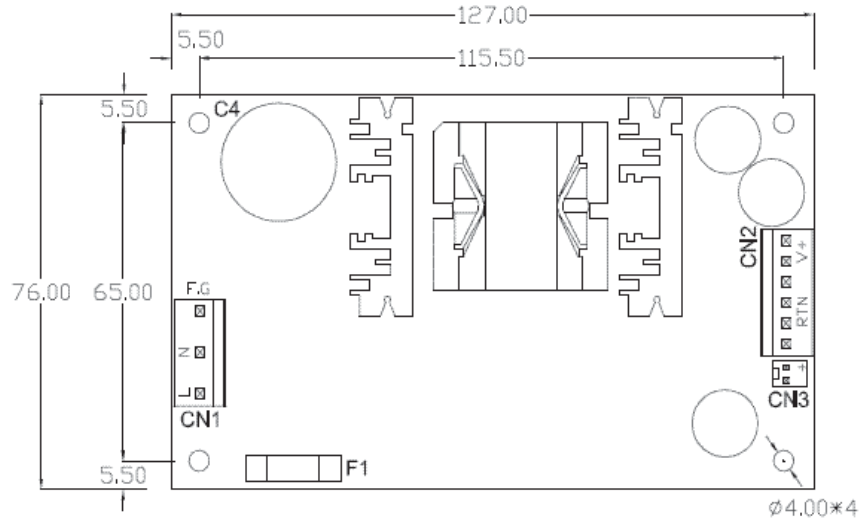


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PART #	OUTPUTS				NOTE
	V1 / A1	V2 / A2	V3 / A3	V4 / A4	
PW-080B-1Y48(G)	48V 1.625A				



PIN ASSIGNMENT

CN1	V _{in}
PIN1	LINE
PIN2	N.C
PIN3	NEUTRAL
PIN4	N.C
PIN5	F.G

CN2	V _o
PIN1	+12V
PIN2	+12V
PIN3	+12V
PIN4	RTN.
PIN5	RTN.
PIN6	RTN.

CN3	FAN
PIN1	+12V
PIN2	RTN.

MATCHING CONNECTORS

CN1 = AC INPUT (N2), MOLEX P/N: 09-65-2059 (OR EQUIVALENT) FEMALE HOUSING MOLEX P/N: 09-76-1050 (OR EQUIVALENT)
 CN2 = DC OUTPUT, MOLEX P/N: 09-65-2069 (OR EQUIVALENT) FEMALE HOUSING MOLEX P/N: 09-76-1060 (OR EQUIVALENT)
 CN3 = MOLEX P/N: 22-27-2021 (OR EQUIVALENT) FEMALE HOUSING MOLEX P/N: 22-01-2025 (OR EQUIVALENT)



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