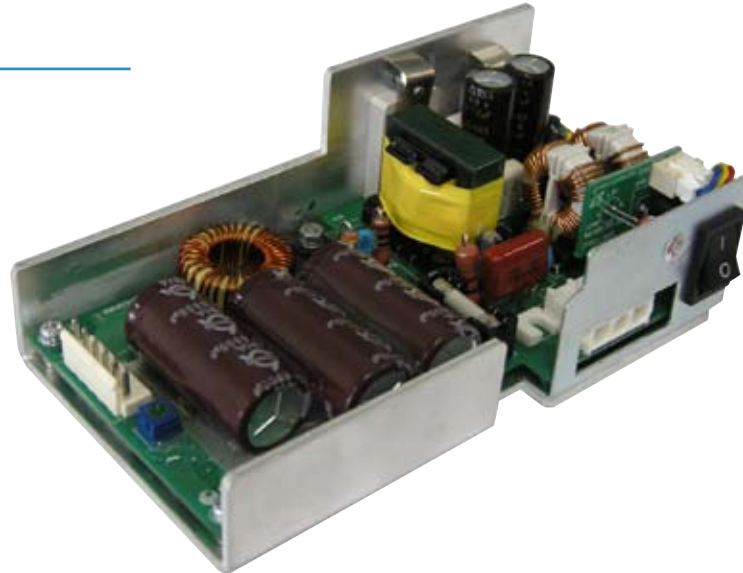


REV: 05302011



## PRODUCT FEATURES:

- DC-DC Converter
- Wide Input Voltage Range 24VDC~48VDC
- 24DC Output
- Small Package
- Convection Cooling
- International Class A EMI
- Worldwide Safety Approval



## INPUT SPECIFICATIONS:

VOLTAGE	18VC ~ 58 DC Input Range
CURRENT	4A max at Input Range
START-UP VOLTAGE	17.5VDC (minimum)
SHUTDOWN VOLTAGE	60VDC (maximum)
INRUSH CURRENT	≤ 30 Amps
EFFICIENCY	≤ 80%

## GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE	-20°C to +70°C (derate 2.5% per °C above 50°C)
STORAGE TEMPERATURE	-40°C to +85°C
OPERATING HUMIDITY	5% ~ 95% (non-condensing)
COOLING	Convection Cooled
SHOCK	20G Peak Acceleration
VIBRATION	10-55Hz, 2G, 3Min Period, 60 min each (3 axes)
RELIABILITY	>100,000 Hours MTBF at 100% load, 25°C
SIZE (INCHES)	6.0" x 3.23" x 1.89" (L x W x H)

## OUTPUT SPECIFICATIONS:

VOLTAGE	24 Volts
VOLTAGE ACCURACY	±1% (minimum)
CURRENT	4 Amps
LOAD REGULATION	±1% maximum
LINE REGULATION	±1% maximum
ADJUSTMENT RANGE	± 5% via trim pot
RIPPLE	±1% p-p, max (20MHz BW)
OVER VOLTAGE	31.2V ≥ Vout ≤ 26.4V
OVER-CURRENT	≥ 4.4A (Auto-Recovery)
SHORT CIRCUIT	(Auto-Recovery)

## EMISSIONS:

EMISSIONS	EN6100-6-4 Class A (Radiated)
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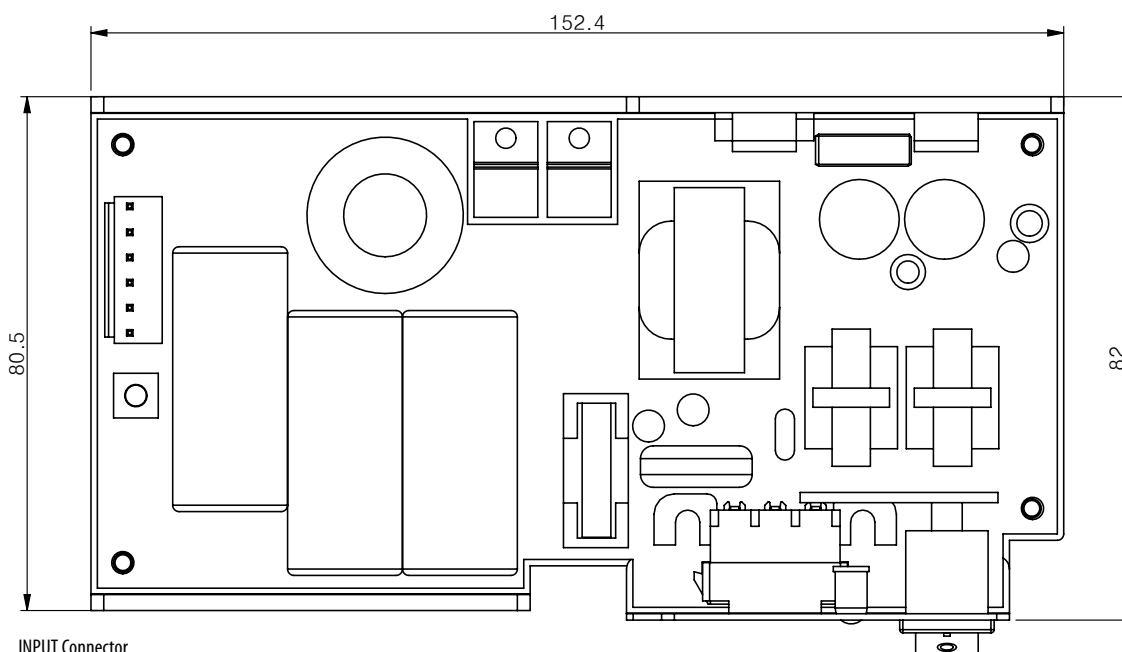
## SAFETY STANDARDS:

UL / CUL	60950-1
CB	EN60950-1 / IEC60950-1
CE MARK	Low Voltage Directive



Output Models:	VDC	A (Min)	A (Max)
PSU-100-24DM	24.0V	0.0A	4.0A

## OUTLINE DRAWING:



### INPUT Connector

- Mated connector: 350766-1 (AMP)
- Pin Assignment:
  - 1.2 -> +Vin
  - 3 -> GND

### OUTPUT Connector

- Mated connector: VHR-6N (JST) or Equivalent
- Pin Assignment:
  - 1.2.3 -> GND
  - 4.5.6 -> +24Vdc

