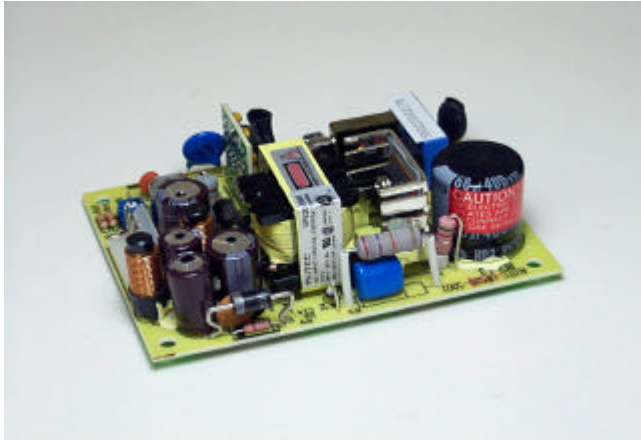




Open Frame 3.00"X4.00" Universal Input AC/DC Converter

Dual Output 5V/12V 20W⁽¹⁾



Model UPS20-5002



OUTPUT	Voltage		Current			Ripple & Noise	Regulation (4)	
	Rated	Tolerance	Min	Rated	Peak (3)		Load	Line
Main	+5 V DC	+/-2.00%	0.2A	1.6A	2.0A	50mV	2.00%	0.50%
	+12 V DC	+/-5.00%	0.2A	1.0A	2.0A	120mV	5.00%	1.00%

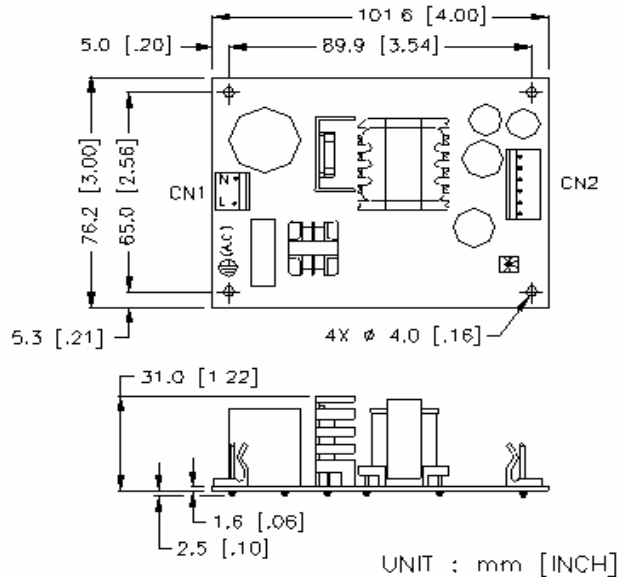
INPUT		Min	Nom	Max
Voltage AC	Universal AC	90VAC		260VAC
Frequency		47Hz		63Hz
Inrush Current	At Min 115 VAC Max 230 VAC	20A		40A
Switching Frequency			40K Hz.	
Hold-up Time	Measured at 115VAC and rated Load	20mS		
Fusing	2A, Slow-blow 115/230 VAC Non-User Serviceable			

GENERAL SPECIFICATIONS	
Efficiency	68% Min. Full Load 120 VAC
Overvoltage Protection	+5V exceeds 5.8V Causes shutdown, automatic recovery
Overload Protection	All outputs protected against short circuit conditions, automatic recovery.
Environmental	
Temperature coefficient	0.02%/°C, All outputs
Temperature Range	Operational 0 to 50°C at rated output power. Derates linearly to 50% power at 70°C.
	Storage -55°C to 85°C
Safety, Regulatory & EMI	
Agency Approvals	UL60950
	CSA C22.2 N0.60950
	TUV EN60950
High Pot	3600 VAC input to output for 1 sec.
EMI	Meets F.C.C part 15 class 'B' conducted and CISPR 22 "B" conducted

Model UPS20-5002

PIN ASSIGNMENTS UPS20-5002			WIDTH LENGTH HEIGHT				
CONNECTOR	CN1	CN2	UNIT	WIDTH	LENGTH	HEIGHT	
	AC INPUT	DC OUTPUT					
PIN 1	LINE	+5 V	UPS20-5002	inch	3.00	4.00	1.09
PIN 2	N/C	+5 V			76.2	101.6	27.7
PIN 3	NEUTRAL	COM	UPS20-5002	inch	2.56	3.54	N/A
PIN 4		COM			65.0	89.9	N/A
PIN 5		+12 V					
PIN 6		+12 V					
MOLEX (or equiv)	09-65-2038	09-65-2068	SHIPPING SPECIFICATIONS				
Mating Connector	09-50-1031	09-50-1061	MODEL	UNITS PER CARTON	CARTON WEIGHT		
			UPS20-5002	64.0	13.5 Kgs	29.8 Lbs	

UPS20-5002



NOTES:

- The power supply may be capable of more than the specified continuous and/or peak ratings, depending on the application. Consult factory Sales Engineer for feasibility.
- Minimum load specified assures output voltage stability for all specified line voltage conditions. Full compliance to the total regulation specification may require additional loading (not to exceed 25% of rated output current). Operation at no load will not damage the power supply.
- Each output can provide its full rated output current, provided total wattage does not exceed nominal (continuous) rating.
- Total regulation includes the combined effects of: a) initial set point of main output of $\pm 1\%$ max; b) line regulation for any input voltage change between 90 & 264 VAC; c) load regulation for a MIN. -100% of rated continuous load change; assumes that the total continuous power rating of the supply is not exceeded. [See Note3]. Performance during peak loading conditions is not included in the figure.
- Specifications are subject to change without notice. AUTEC cannot be held liable for errors or omissions or the consequences thereof.
- Units that meet CISPR also comply with FCC level B.

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