

HB Series

Miniature LED Lighting Power Supply 500 or 1000mA Two-Port Models



Product Features:

- Universal AC Input
- CEC Level IV Compliant
- Designed to Meet UL1310 Safety Standards
- Over Current Protection
- Short Circuit Protection
- Measures only 2.85 x 1.38 x 0.98"
- UL94V-0 Rated Enclosures for Indoor Applications
- Optional Encapsulated modules for Wet Environments



Outputs A and B are independently controlled, where only one output will be on at any one time as determined by external SPST mechanical switch setting with a common return line (See Functional Block Diagram below).

INPUT SPECIFICATIONS:

VOLTAGE	Universal AC Input (90~26 VAC)
FREQUENCY	47-63Hz
HOLD-UP	20ms Minimum
EFFICIENCY	>70% (CEC Level IV Compliant)

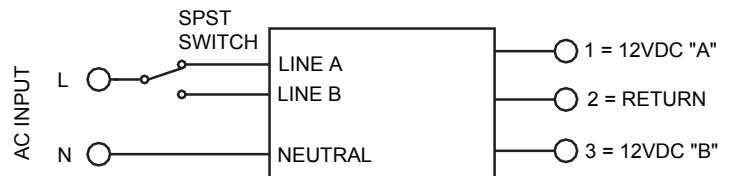
OUTPUT SPECIFICATIONS:

LOAD REGULATION	±3% maximum
RIPPLE	120mV pk-k max (20MHz)
SETPOINT ACCURACY	±3%
OVERSHOOT	±5% Max at power turn on/off
OVER CURRENT	Output shall go into constant current regulation between 100% to 120% of rated output current

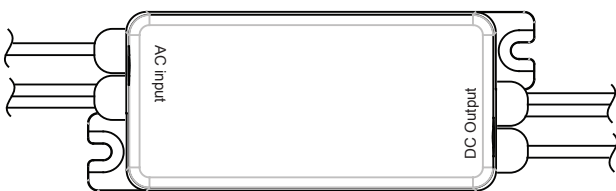
GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE	-40 ~ +70°C (Derate 2.5% per °C above 50°C)
STORAGE TEMPERATURE	-40 ~ +85°C
COOLING	Convection
HUMIDITY	5-95% (non-condensing)
VIBRATION	Frequency 5 to 50 Hz, Acceleration ±7.35 M/(S*5), 3 Axes
SHOCK	20G Peak Acceleration
RELIABILITY	>100,000 hours, MIL-HDBK217E at 25°C

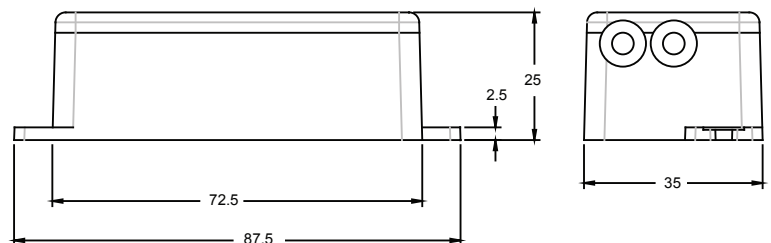
PART #	OUTPUTS		NOTE
	PORT A	PORT B	
HB06D12	12V 500mA	12V 500mA	Output Port Selected by External SPST Switch
HB06D15	15V 500mA	15V 500mA	
HB06D24	24V 500mA	24V 500mA	
HB06D30	30V 500mA	30V 500mA	
HB012D12	12V 1000mA	12V 1000mA	Output Port Selected by External SPST Switch
HB012D15	15V 1000mA	15V 1000mA	
HB012D24	24V 1000mA	24V 1000mA	
HB012D30	30V 1000mA	30V 1000mA	



FUNCTIONAL BLOCK DIAGRAM



Dimensions are in Millimeters



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