



# ETA-USA

HIGH QUALITY SWITCHING POWER SUPPLIES

## 100 Watt BSD-SA Series



### Features

- Low Cost
- Small Size
- High MTBF
- Fiberglass PCB
- Versatile Mounting options
- Meets FCC class B Noise
- UL1950, CSA (C-UL)

### Applications

Process control, office-equipment, computer peripherals, telecommunication, industrial electronics appliances., 1 RU rack chassis products.

Model	Output		Efficiency
	Voltage	Current	
BSD3.3SA	3.3V	20A	73%
BSD05SA	5V	20A	76%
BSD06SA	6V	17A	78%
BSD09SA	9V	11A	82%
BSD12VSA	12V	9A	82%
BSD15VSA	15V	7A	84%
BSD24VSA	24V	5A	87%
BSD36VSA	36V	3.3A	87%
BSD48VSA	48V	2.5A	88%

### General

BSD series power supplies utilize an advanced low component count circuit design. This enable us to offer you a compact yet cost effective solution for you switching power supply needs. The low profile 1.25" x 2.44" x 8.75" package allows you to use this power supply in places too small for most standard 100 watt power supplies.

### Options

- Input / Output harness
- 30G Shock model



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### General specifications

Over-current Protection	Constant current limiting
Over-voltage Protection	Output shutdown
Switching Freq	130 KHZ
Withstand Voltage	Input-Output AC1500V 1 minute Input-Chassis AC1500V 1 minute Output-Chassis AC500V 1 minute
Isolation Res	Input-Output-Chassis 50Ω MIN
Leakage Current	300MA @ 110/50
Weight	.89 Pounds

### Environmental

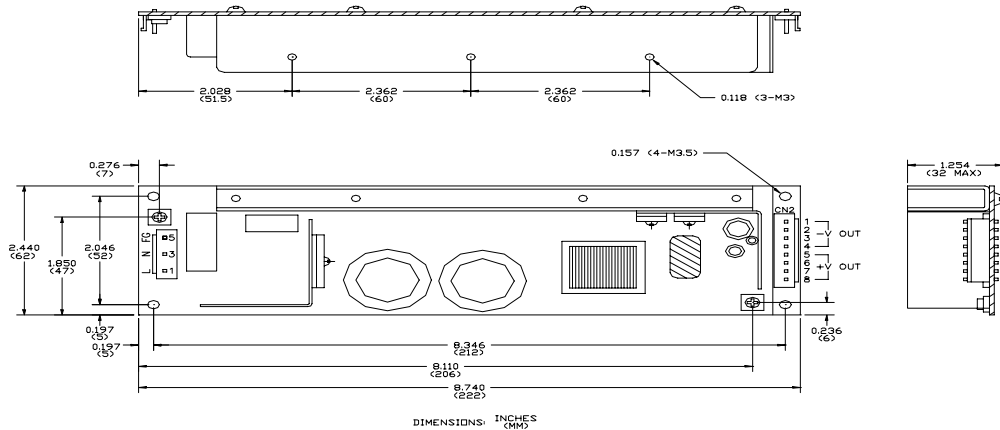
Temperature Operating	-10° to +50°C
Storage	-20° to +85°C
Coefficient	0.03%/°C (-10 to +50°C)
Humidity	20-85%
Vibration	(5-10Hz) Amp peak to peak 10mm (10-55Hz) Acceleration 2G
Shock	30G *Optional Model only.

### Input

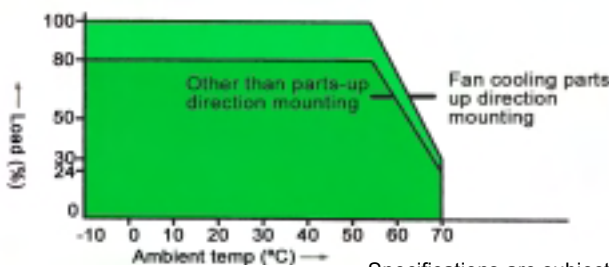
Voltage	115 VAC
Range	85-132 VAC
Frequency	47-440Hz
Full Load Current	2.4A @ 115 VAC Input
Inrush Current	17A Max
Phase	Single

### Output

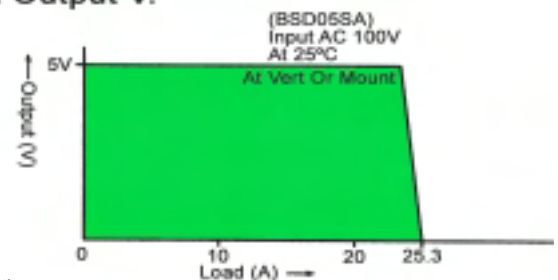
Voltage adjust	±10%
Ripple & Noise	(Output V x 1%) + 100 mV p-p Max. (150 mV p-p MAX. BSD3.3SA only)
Input Regulation	0.8% MAX (40 mV max. BSD3.3SA only)
Load Regulation	0.9% Max. (Input 100VAC, load 0-100%)
Drift/Time Effect	(Output V x 0.5%) + 15mV/8H Max (after 1Hr) (40 mV Max./8Hr max after 1Hr BSD3.3SA only)
Rise Time	500mS max (at 25°C, rated-input-output)
Hold-up time	15 mS Min. (at 25°C, rated-input-output)



### Derating



### Load & Output V.



Specifications are subject to change without notice.