

# SX15U

## 15 Watt ,120 VAC Input Fully Enclosed Switching Power Supply



### FEATURES

- ✓ **OVERVOLTAGE PROTECTION**
- ✓ **OVERCURRENT PROTECTION**
- ✓ **HIGHLY RELIABLE**
- ✓ **CONVECTION COOLED**
- ✓ **ON/OFF LED LIGHT**
- ✓ **ADJUSTABLE OUTPUTS**
- ✓ **3 YEAR CONTINUOUS USE WARRANTY**

### SAFETIES / EMI



FCC-B  
CISPR-B  
VCCI-2

### ELECTRICAL SPECIFICATIONS

All specifications are typical at nominal input, full load

### INPUT SPECIFICATIONS

Input Voltage.....	85-132 VAC
Input Frequency.....	50/60 Hz (47-63 Hz)
Input Current.....	0.3A (typ)
Inrush Current.....	10A (typ)

### OUTPUT SPECIFICATIONS

Output Voltage.....	See chart
Output Adjustment.....	±10%
Efficiency.....	73-78%
Over-Voltage Protection.....	Zener limiter
Over-Current Protection.....	Over 105% (Automatic Recovery)
Ripple and Noise.....	100-200 mVp-p
Hold-Up Time.....	20 ms
Line/Load Regulation.....	See Chart
Rise Time.....	100 ms max.
	(at 25°C nominal output/input)
Leakage Current.....	0.5 mA max.

### GENERAL SPECIFICATIONS

MTBF.....	> 360,000 Hours
Isolation Voltage	
Primary to Secondary.....	AC 2000V
Primary to Case.....	AC 2000V
Secondary to Case.....	AC 500V
Isolation Resistance.....	Input-Output- case 100 M-Ohms min.

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature .....	0°C ~ +60°C
	Derates linearly 2.5%/°C after 50°C
Cooling.....	Convection
Temperature Coefficient.....	0.02%/°C
Humidity.....	20-85% RH (non-condensing)
Storage Temperature.....	-20°C ~ +85°C
Shock/Vibration.....	20G (3 Directions)

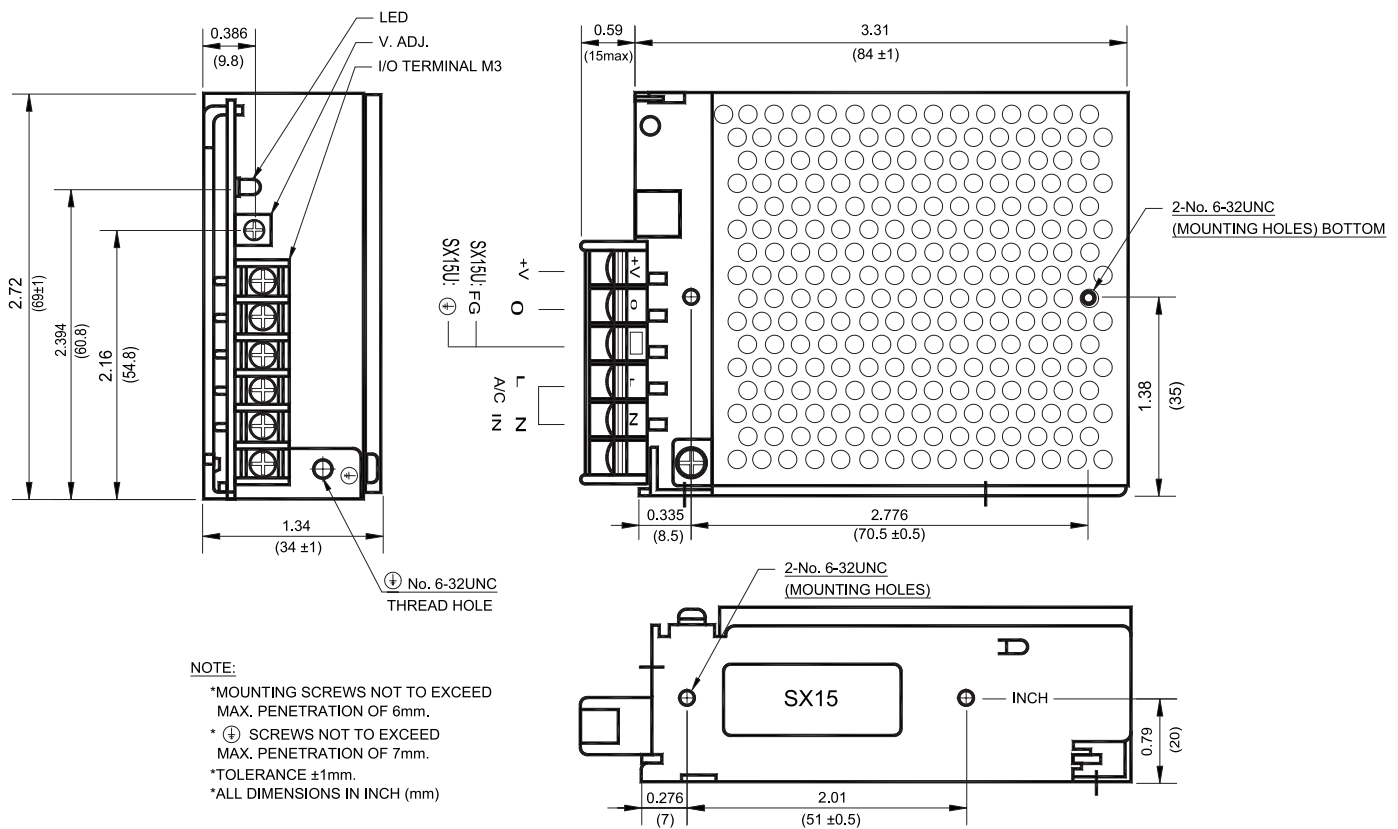
### PHYSICAL SPECIFICATIONS

Metal Enclosed - Terminal Block

# Series

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	EFFICIENCY (TYP)	LINE REGULATION	LOAD REGULATION	RIPPLE NOISE
<b>SX15U-05S</b>	5 VDC	3.0 A	73%	20 mV	40 mV	100 mVp-p
<b>SX15U-12S</b>	12 VDC	1.3 A	76%	40 mV	60 mV	150 mVp-p
<b>SX15U-15S</b>	15 VDC	1.0 A	76%	40 mV	80 mV	150 mVp-p
<b>SX15U-24S</b>	24 VDC	0.7 A	78%	60 mV	150 mV	200 mVp-p

## SX15U



**NOTE:**

All specifications typical and nominal / full load and 25°C unless otherwise noted.  
 Mounting screw length should not exceed 0.24 inches or 6 mm.  
 Avoid sustained operation in overload or dead short conditions.  
 Specifications subject to changes without notice.

- No. 6-32 mounting holes standard
- Dimensions in mm
- Terminal block or "pin" type connector available