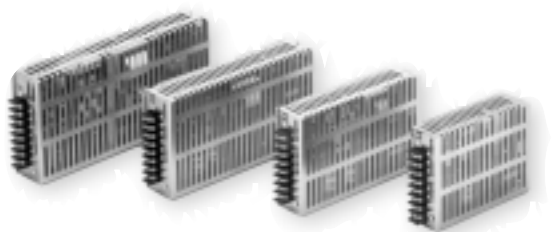




SX100U&150U

100 & 150 Watt, 120 VAC Input Fully Enclosed Switching Power Supply



FEATURES

- ✓ REMOTE SENSE
- ✓ 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..... 2.3A / 3.5A (typ)
Inrush Current..... 14A /15A (typ)

OUTPUT SPECIFICATIONS

Output Voltage..... See chart
Output Adjustment..... $\pm 10\%$
Efficiency..... 82 - 87%
Over-Voltage Protection..... Shutdown 112-150% Output
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..... 300 ms max.
(at 25°C nominal output/input)
Leakage Current..... 0.5 mA max.

GENERAL SPECIFICATIONS

MTBF..... >165,000 Hours
Isolation Voltage
Primary to Secondary..... AC 2000V
Primary to Case..... AC 1500V
Secondary to Case..... AC 500V
Isolation Resistance..... Input-Output
case 100 M-Ohms min.

ENVIRONMENTAL SPECIFICATIONS

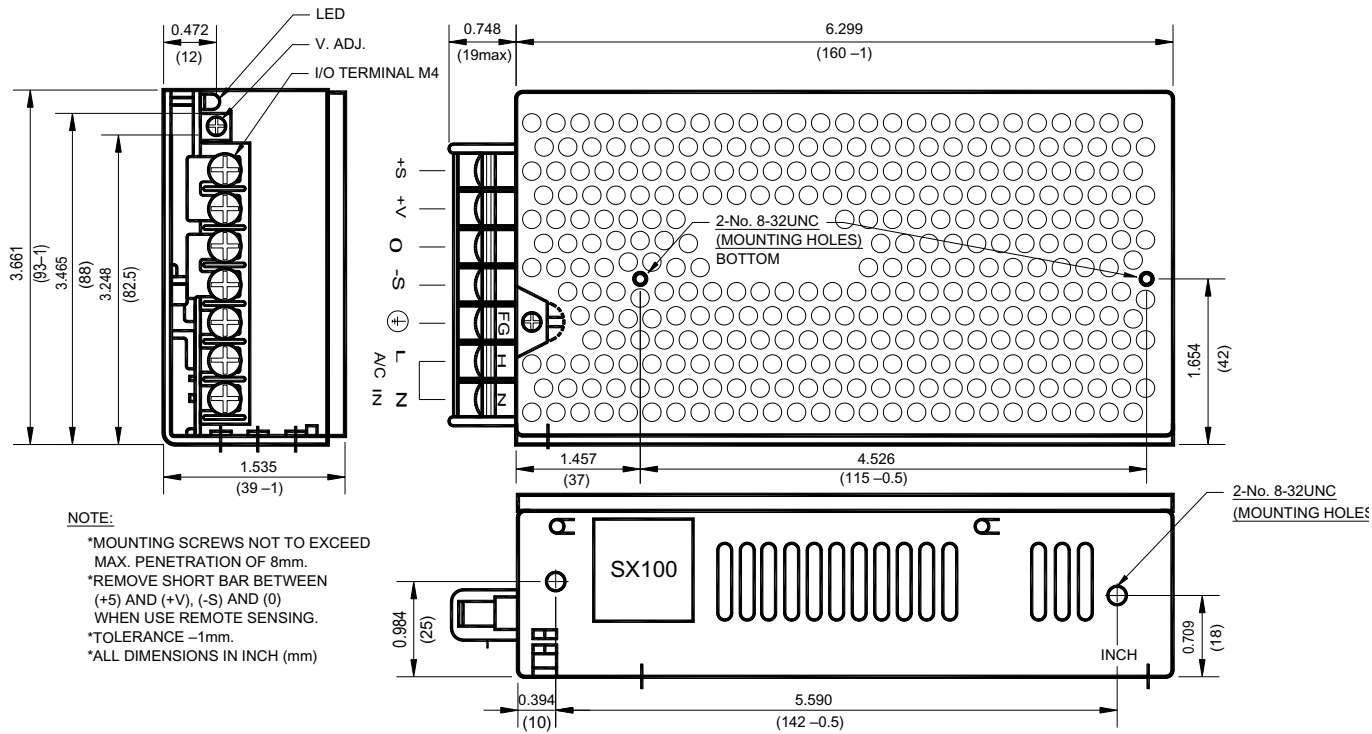
Operating Temperature 0°C ~ +60°C
Derates linearly 2.5%/°C after 50°C
Cooling..... Convection
Temperature Coefficient..... 0.02%/°C
Humidity..... 20-85% RH (non-condensing)
Storage Temperature..... -20°C ~ +85°C
Shock/Vibration..... 20G (3 Directions)

PHYSICAL SPECIFICATIONS

Metal Enclosed - Terminal Block

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	EFFICIENCY (TYP)	LINE REGULATION	LOAD REGULATION	RIPPLE NOISE
SX100U-05S	5 VDC	20.0 A	82%	10 mV	20 mV	100 mVp-p
SX100U-12S	12 VDC	8.6 A	85%	10 mV	20 mV	170 mVp-p
SX100U-15S	15 VDC	7.0 A	86%	10 mV	20 mV	170 mVp-p
SX100U-24S	24 VDC	4.4 A	87%	20 mV	30 mV	200 mVp-p

SX100U



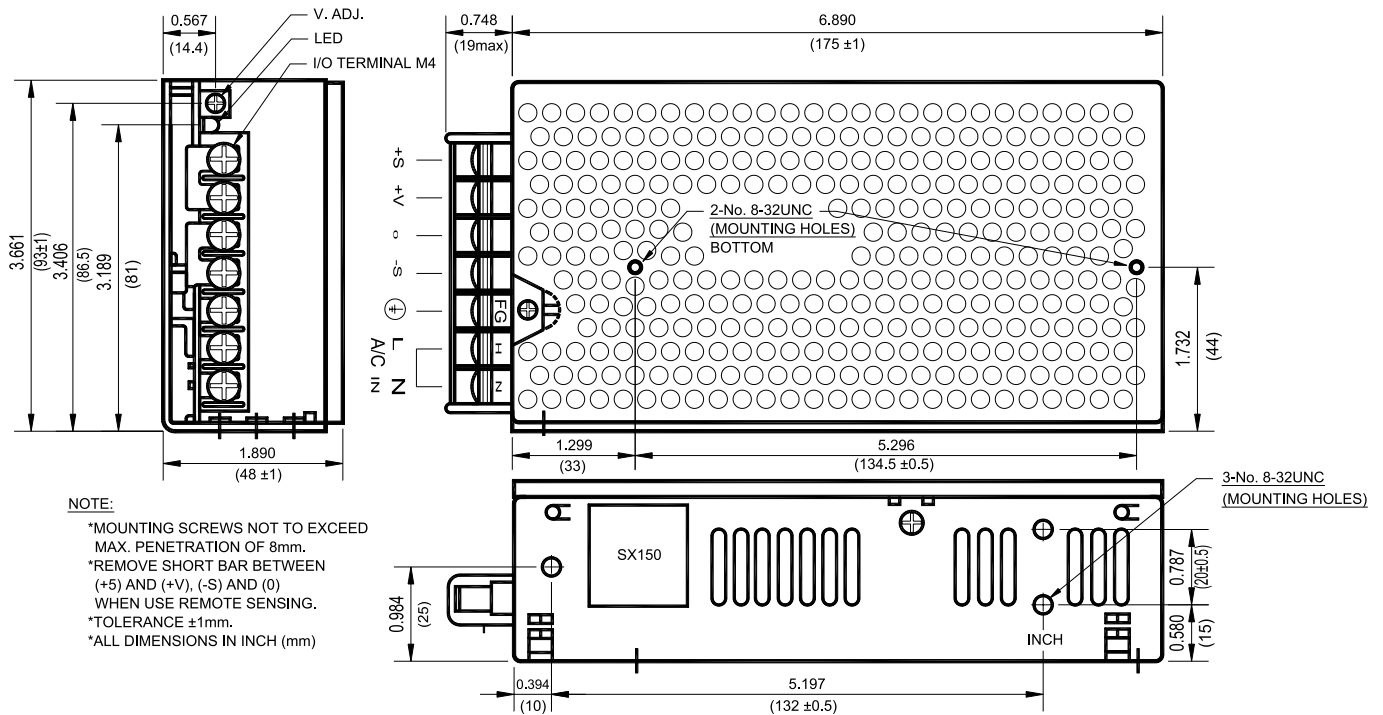
NOTE:
All specifications typical and nominal / full load and 25°C unless otherwise noted.
Mounting screw lenght should not exceed 0.31 inches or 8 mm.
Avoid sustained operation in overload or dead short conditions.
Specifications subject to changes without notice.

- No. 8-32 mounting holes standard
- Dimensions in mm



MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	EFFICIENCY (TYP)	LINE REGULATION	LOAD REGULATION	RIPPLE NOISE
SX150U-05S	5 VDC	30.0 A	82%	10 mV	30 mV	100 mVp-p
SX150U-12S	12 VDC	12.5 A	85%	15 mV	45 mV	170 mVp-p
SX150U-15S	15 VDC	10.0 A	86%	15 mV	45 mV	170 mVp-p
SX150U-24S	24 VDC	6.5 A	87%	20 mV	60 mV	200 mVp-p

SX150U



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