



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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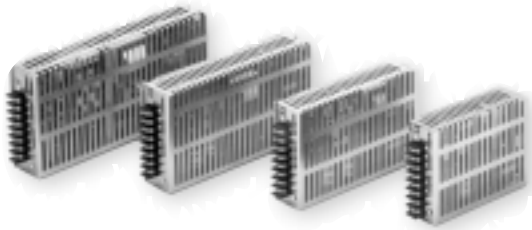
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





SX50U

50 Watt, 120 VAC Input Fully Enclosed Switching Power Supply



FEATURES

- ✓ **OVERVOLTAGE PROTECTION**
- ✓ **OVERCURRENT PROTECTION**
- ✓ **COMPACT SIZE / HIGH RELIABILITY**
- ✓ **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 (47-63Hz)
Input Current.....	1.1 A (typ)
Inrush Current.....	28 A (typ)

OUTPUT SPECIFICATIONS

Output Voltage.....	See chart
Output Adjustment.....	± 10%
Efficiency.....	72-80%
Over-Voltage Protection.....	Zener Limiter
Over-Current Protection.....	Over 105% (Automatic Recovery)
Ripple and Noise.....	100-200 mVp-p
Hold-Up Time.....	20 mS (typ)
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.....	>242,000 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-Ohm 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 (not-condensing)
Storage Temperature.....	-20°C ~ +85°C
Shock/Vibration.....	20G (3 Directions)

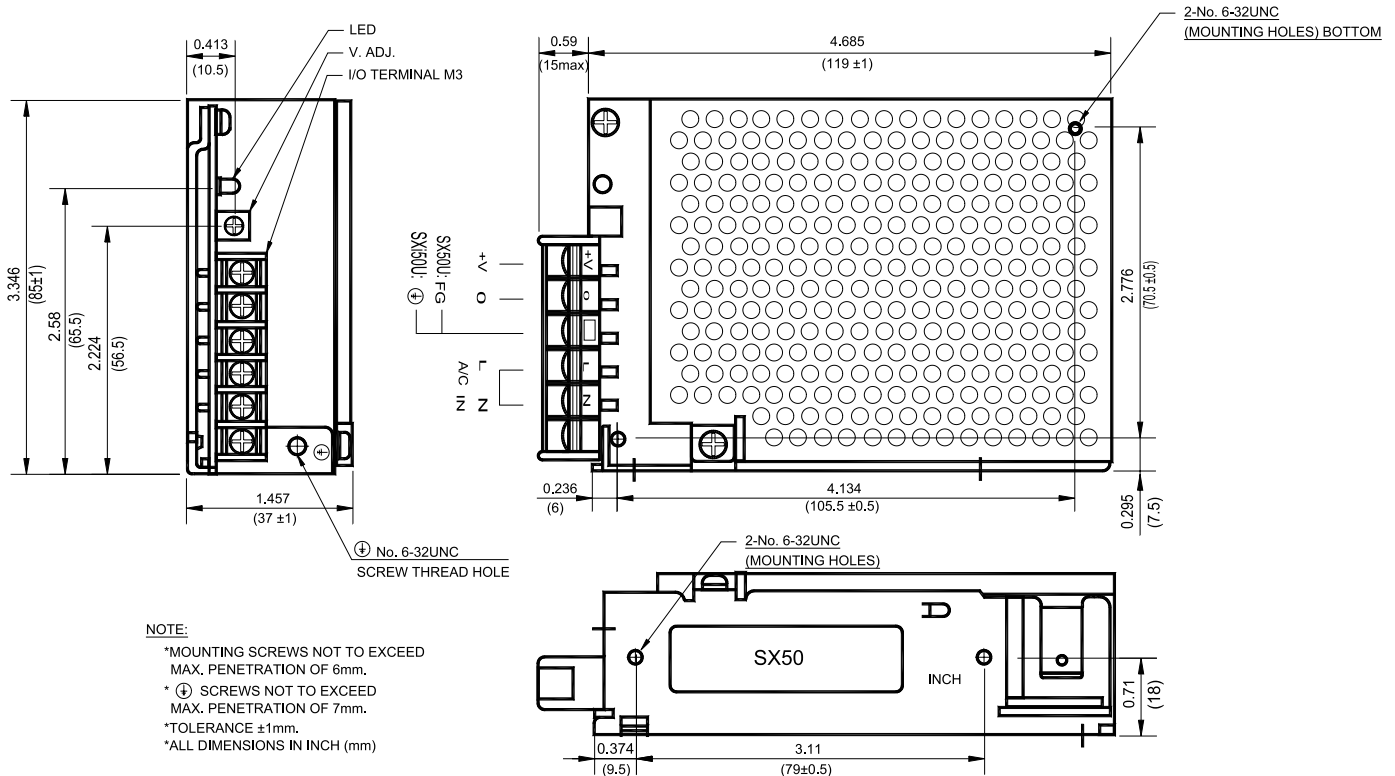
PHYSICAL SPECIFICATIONS

Metal Enclosed - Terminal block

Series

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	EFFICIENCY (TYP)	LINE REGULATION	LOAD REGULATION	RIPPLE NOISE
SX50U-05S	5 VDC	9.5 A	72%	25 mV	60 mV	100 mVp-p
SX50U-12S	12 VDC	4.2 A	78%	40 mV	120 mV	150 mVp-p
SX50U-15S	15 VDC	3.4 A	78%	40 mV	120 mV	150 mVp-p
SX50U-24S	24 VDC	2.2 A	80%	60 mV	160 mV	200 mVp-p

SX50U



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