



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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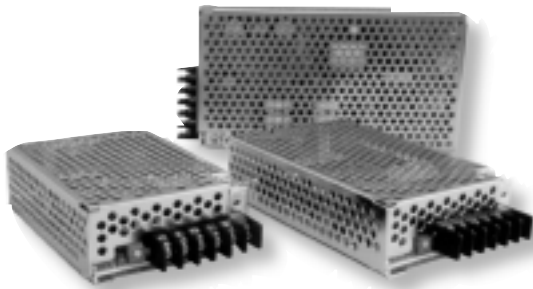
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# SP50&80U-T

## 50 AND 80 WATT TRIPLE OUTPUT MODELS



### FEATURES

- ✔ 80W POWER FACTOR CORRECTED
- ✔ UNIVERSAL INPUT (AC85-264V)
- ✔ METAL CHASSIS WITH COVER
- ✔ INTERNAL EMI FILTER
- ✔ HIGH RELIABILITY
- ✔ LOW COST, HIGH PERFORMANCE
- ✔ 3 YEAR WARRANTY

### SAFETIES / EMI



FCC-B  
CISPR-B  
VCCI-2

### ELECTRICAL SPECIFICATIONS

All specifications are typical at nominal input, full load.

### INPUT SPECIFICATIONS

Input Voltage.....	AC 100-120 / 200-240V (AC85-264V) (DC110-340V)
Input Frequency.....	50-60 Hz (47-63 Hz)
Input Current (AC 100/240V).....	SP50U .69/.29 (typ), SP80U 1.2/.5 (typ)
Inrush Current.....	SP50U 10/20A., SP80U 15/30A TYP
Voltage Adjust Range.....	CH1: +5%,-0%, CH2: Fixed (Factory Set Accuracy +/- 5%)
Power Factor Correction.....	SP80U 0.95 min. (IEC 1000-3-2)

### OUTPUT SPECIFICATIONS

Output Voltage.....	See Chart
Leakage Current.....	0.75 mA RMS max.
Over-Voltage Protection.....	Built In
Over-Current Protection.....	Built In (5V output only)
Line Regulation.....	0.4%
Load Regulation.....	CH1: 2% CH2, CH3 2% min.
Hold-Up Time.....	20m sec. Min.
Rise Time.....	SP50U 500 mSEC. SP80U 1500 mSEC.
Drift.....	0.5%+15mV (8hr. after 1 hr. warm up)
Ripple Noise (DC~100MHz).....	150 mVp-p

### GENERAL SPECIFICATIONS

MTBF.....	190,000 Hours
Isolation Voltage	
Primary to Secondary.....	AC 3000V
Primary to Case.....	AC 1500V (1 min. Cut off current)
Secondary to Case.....	AC 500V
Isolation Resistance.....	Input-Output-Case 100-Mohms min. (DC500V)
Vibration .....	0.5 mm width, 10-55 Hz/1 min. cycle, 3 directions each 30 min.
Shock.....	20G (3 directions, each 3 times)

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature .....	0°-60°C
	Derates linearly 2.5%/°C after 50°C
Temperature Coefficient.....	±0.02% / °C
Storage Temperature.....	-20°C - 85°C

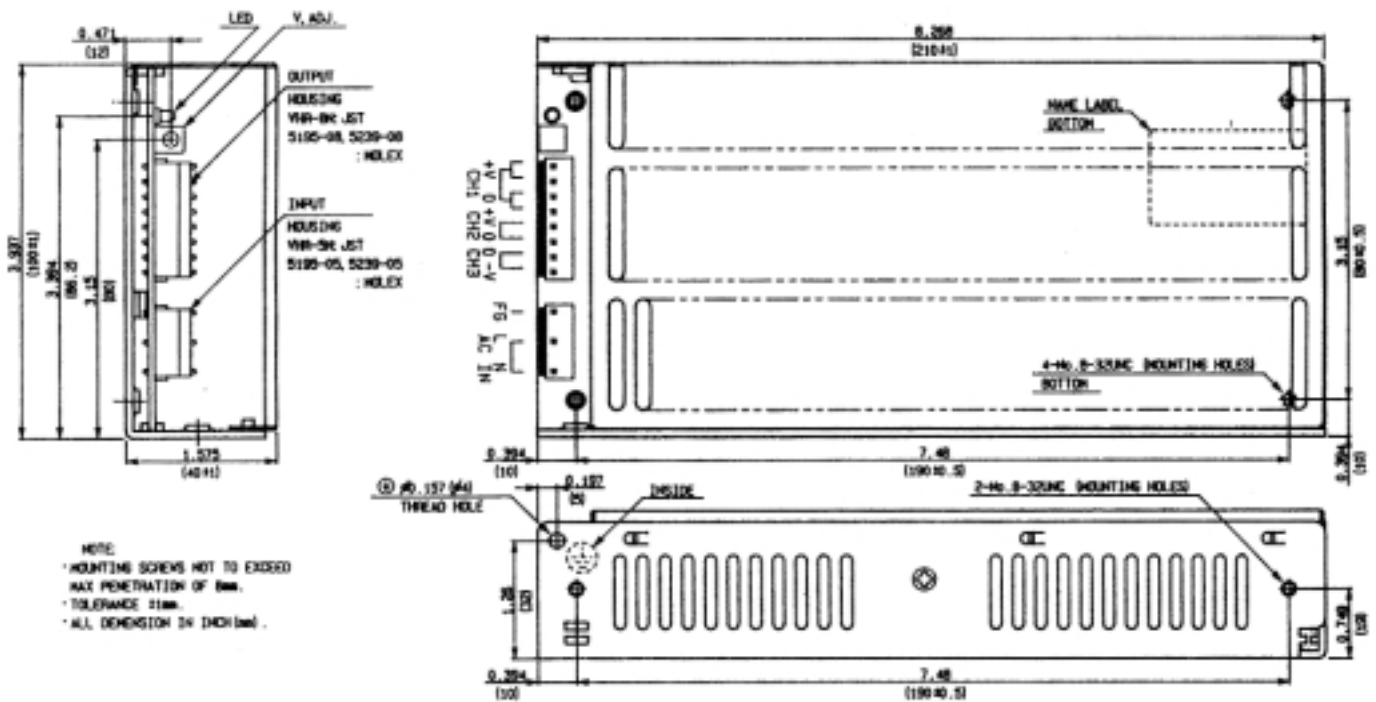
### PHYSICAL SPECIFICATIONS

Metal Enclosed - Terminal Block

	MODEL	OUTPUT 1		OUTPUT 2		OUTPUT 3	
		VOLT	AMPS	VOLT	AMPS	VOLT	AMPS
80W	SP80U-0522T	+5V	10	+12V	3.0	-12V	1.5
	SP80U-0533T	+5V	10	+15V	2.8	-15V	1.2

MAX POWER NOT TO EXCEED: SP80U - 80 WATTS

## SPU 80T



**NOTE:**  
 All specifications typical and nominal / full load and 25°C unless otherwise noted.  
 Mounting screw length 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
- Terminal block or "pin" type connector available

