



# SP15&30U-T

## 15 AND 30 WATT TRIPLE OUTPUT MODELS



### FEATURES

- ▶ 15W AND 30W OUTPUT POWER
- ▶ 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).....	SP15U .36/.20 (typ), SP30U .7/.4 (typ),
Inrush Current.....	SP15U 5.5/14.0A, SP30U 15/30A,
Voltage Adjust Range.....	CH1: +5%,-0%, CH2: Fixed (Factory Set Accuracy +/- 5%)

### 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.....	SP15U/30U CH1: 1% CH2, CH3 1% min.
Hold-Up Time.....	20m sec. Min.
Rise Time.....	SP15U 18 mSEC. SP30U 100 mSEC.
Drift.....	0.5%+15mV (8hr. after 1 hr. warm up)
Ripple Noise (DC~100MHz).....	150 mVp-p

### GENERAL SPECIFICATIONS

MTBF.....	200,000 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

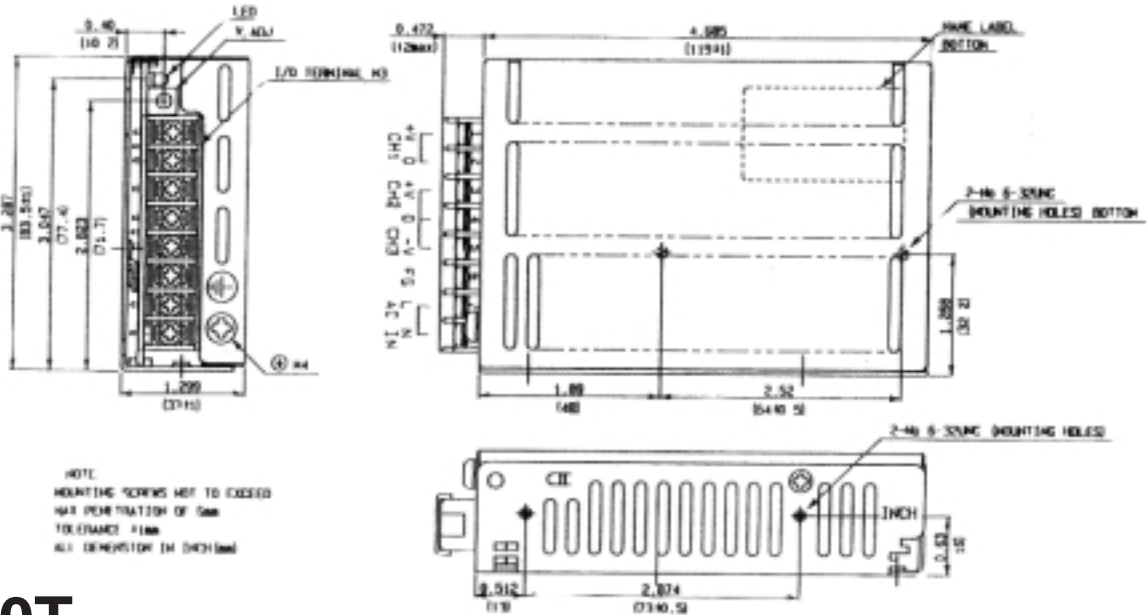
Metal Enclosed - Terminal Block

# Series

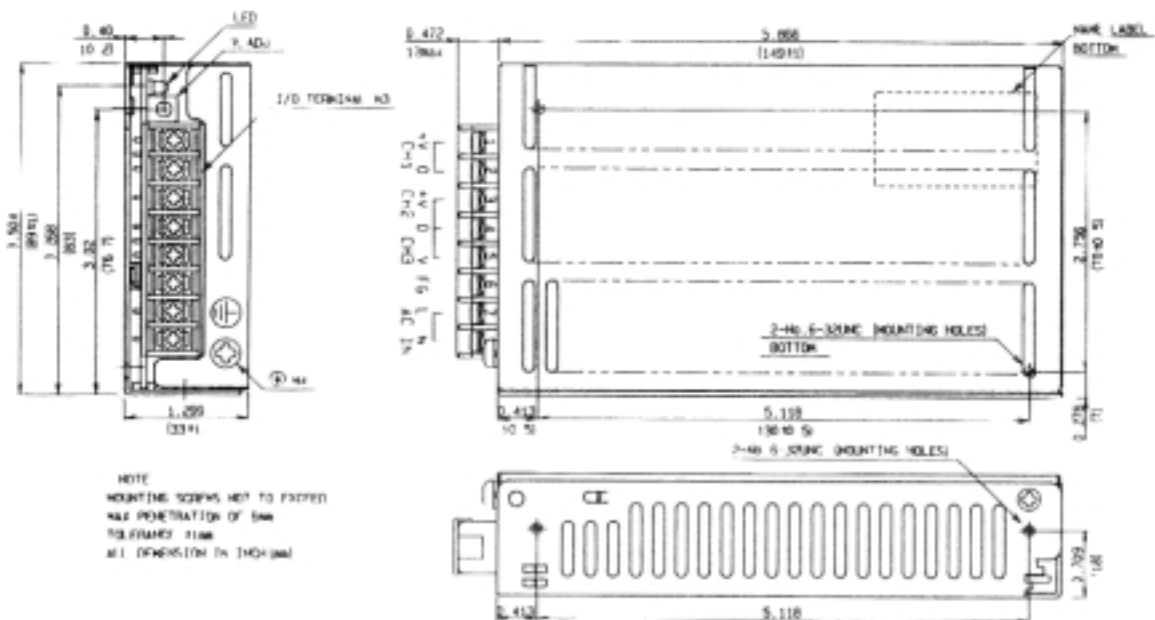
	MODEL	OUTPUT 1		OUTPUT 2		OUTPUT 3	
		VOLT	AMPS	VOLT	AMPS	VOLT	AMPS
15W	<b>SP15U-0522T</b>	+5V	2	+12V	0.5	-12V	0.5
	<b>SP15U-0533T</b>	+5V	2	+15V	0.45	-15V	0.45
30W	<b>SP30U-0522T</b>	+5V	4	+12V	1.2	-12V	0.6
	<b>SP30U-0533T</b>	+5V	4	+15V	1.0	-15V	0.5

MAX POWER NOT TO EXCEED: SP15U - 15 WATTS  
SP30U - 30 WATTS

## SPU 15T



## SPU 30T



### 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. 6-32 mounting holes standard
- Dimensions in mm
- Terminal block or "pin" type connector available