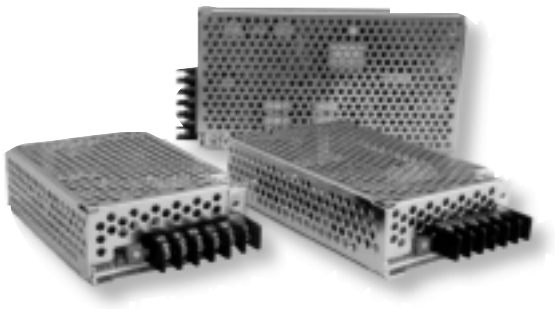
SP50&80U-T

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

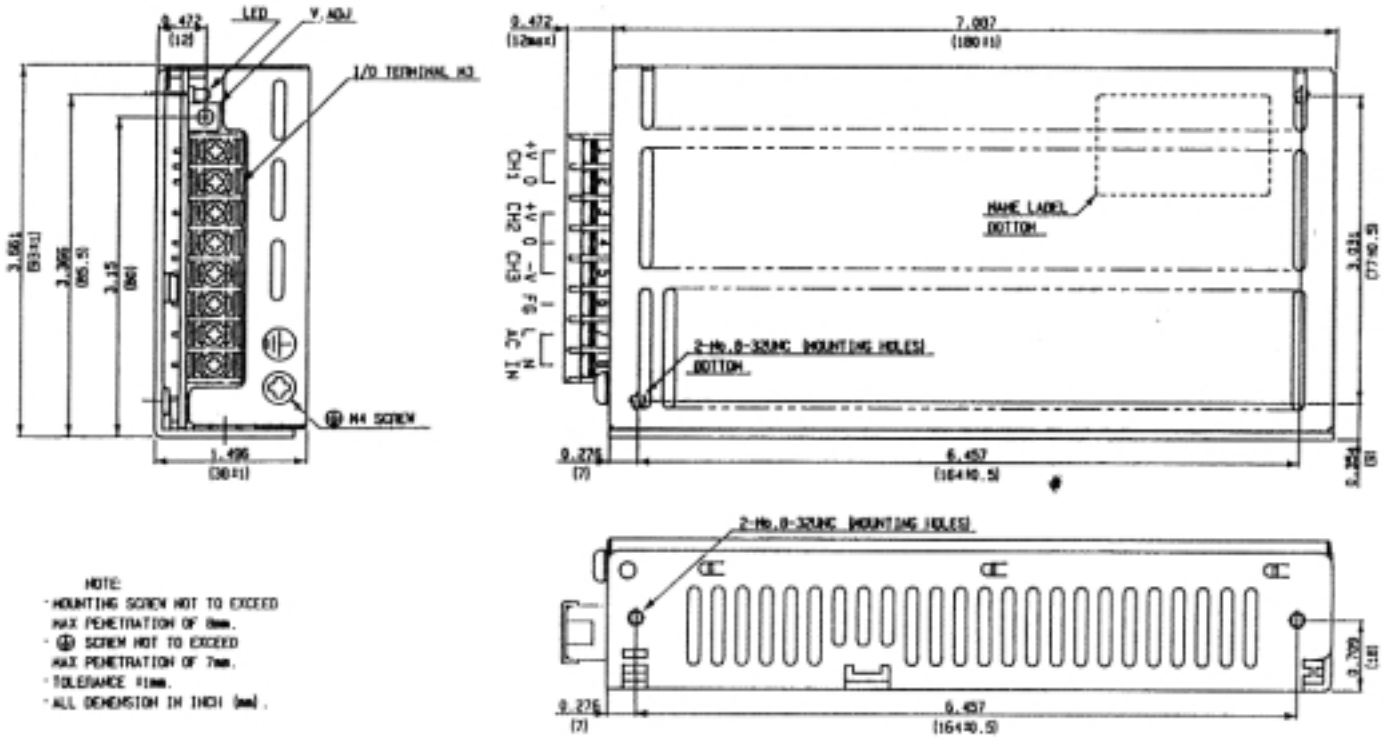
Metal Enclosed - Terminal Block

Series

	MODEL	OUTPUT 1 VOLT	OUTPUT 1 AMPS	OUTPUT 2 VOLT	OUTPUT 2 AMPS	OUTPUT 3 VOLT	OUTPUT 3 AMPS
50W	**SP50U-0522T**	+5V	6	+12V	2.0	-12V	1.0
	SP50U-0533T	+5V	6	+15V	1.4	-15V	1.0

MAX POWER NOT TO EXCEED: SP50U - 50 WATTS

SPU 50T



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
- Terminal block or “pin” type connector available