



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

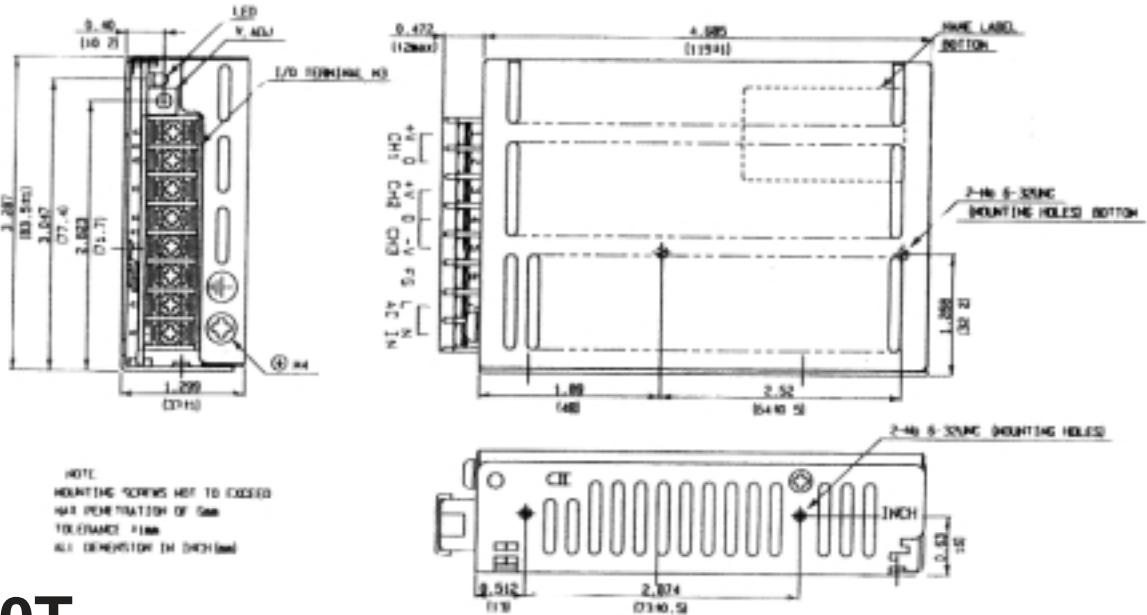
Metal Enclosed - Terminal Block

Series

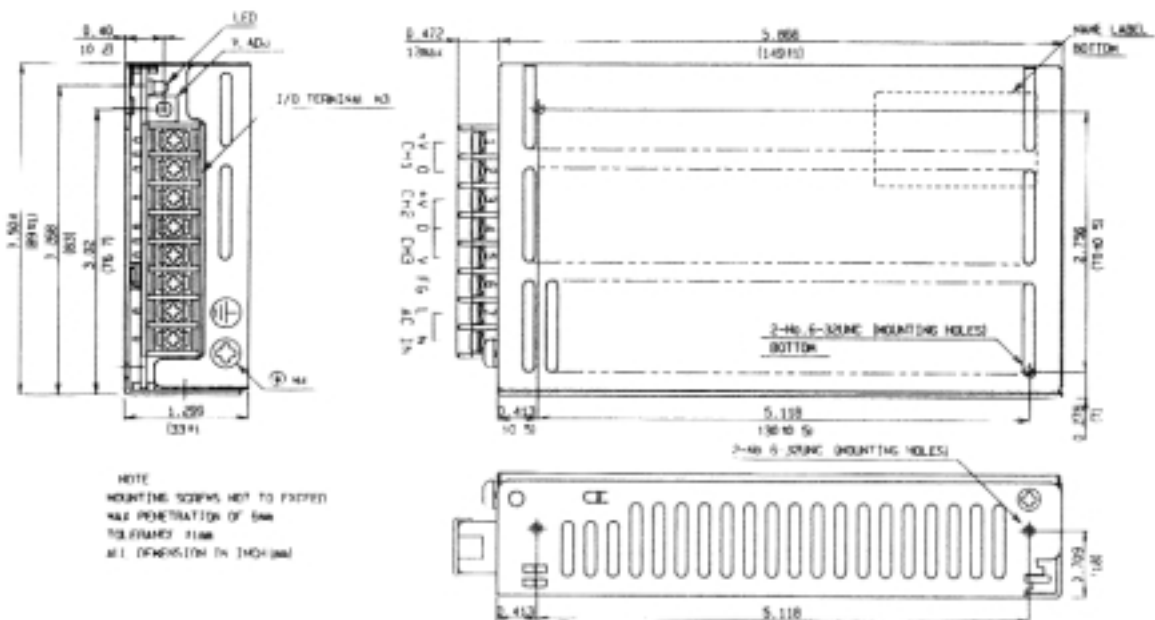
| | MODEL | OUTPUT 1 | | OUTPUT 2 | | OUTPUT 3 | |
|-----|--------------------|----------|------|----------|------|----------|------|
| | | VOLT | AMPS | VOLT | AMPS | VOLT | AMPS |
| 15W | SP15U-0522T | +5V | 2 | +12V | 0.5 | -12V | 0.5 |
| | SP15U-0533T | +5V | 2 | +15V | 0.45 | -15V | 0.45 |
| 30W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