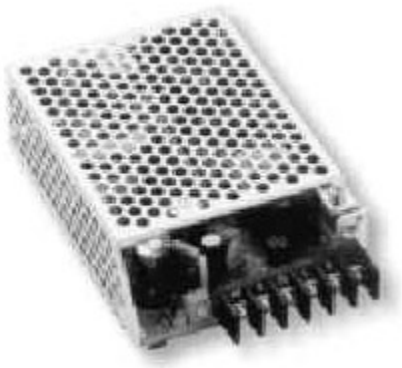
SP15U

15-WATT, Universal Input
Fully Enclosed Switching Power Supply



FEATURES

- Universal Input (AC85-264V)
- Built_In Overvoltage Protection
- Overcurrent Protection
- Lightweight Construction
- Metal Chassis with Cover
- Compact, Low-Profile Package
- 3-Year Warranty

SAFETIES / EMI

FCC-B
EN 55022-B
VCCI-II

ELECTRICAL SPECIFICATIONS

All specifications are typical at nominal input, full loa

INPUT SPECIFICATIONS

Input Voltage	AC 85V -264V DC 110V-340V
Input Frequency	47 ~63 Hz
Input Current (100V)	0.17 ~ 0.36A
Inrush Current (100V, 50Hz)	12 ~ 24A

OUTPUT SPECIFICATIONS

Output Voltage	see chart
Output Adjustment	±10%
Efficiency	70 ~ 79%
Over-Voltage Protection	Zener Limiter
Over-Current Protection	Automatic Recovery
Ripple and Noise	150 mVp-p max.
Hold-Up Time	15 - 100 mS
Line/Load Regulation	see chart
Rise Time	100 mS max.
Leakage Current (10023VAC)	Vin= 100V 0.5mA Vin= 230V 0.75mA

GENERAL SPECIFICATIONS

MTF	211,000 Hours
Isolation Voltage	
Primary to Secondary	3000 VDC
Primary to Case	1500 VDC
Secondary to Case	500 VDC
Isolation Resistance	10*Ohms
Efficiency	Up to 85%

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Range	0* ~ 60*C Derates linearly 2.5 50*C
Cooling	Convection
Temperature Coefficient	0.02% / *C
Humidity	20-85% Rh (non-co
Storage Temperature	-20*C ~ 85*C
Shock Vibration	Shock: 20G (3 directio Vibration: 10 ~ 55H

PHYSICAL SPECIFICATIONS

Metal Enclosed - Terminal Block

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT		EFFICIENCY	LINE REGULATION	LOAD REG
		@100V	@230V			
SP15U-03S	3.3 VDC	3.0 A	3.6 A	70%	20 mV max.	40 mV
SP15U-05S	5 VDC	3.0 A	3.6 A	73%	20 mV max.	50 mV
SP15U-12S	12 VDC	1.3 A	1.5 A	77%	30 mV max.	50 mV
SP15U-15S	15 VDC	1.0 A	1.2 A	77%	30 mV max.	50 mV
SP15U-24S	24 VDC	0.7 A	0.8 A	78%	30 mV max.	50 mV
SP15U-48S	48 VDC	0.35 A	0.4 A	79%	30 mV max.	50 mV

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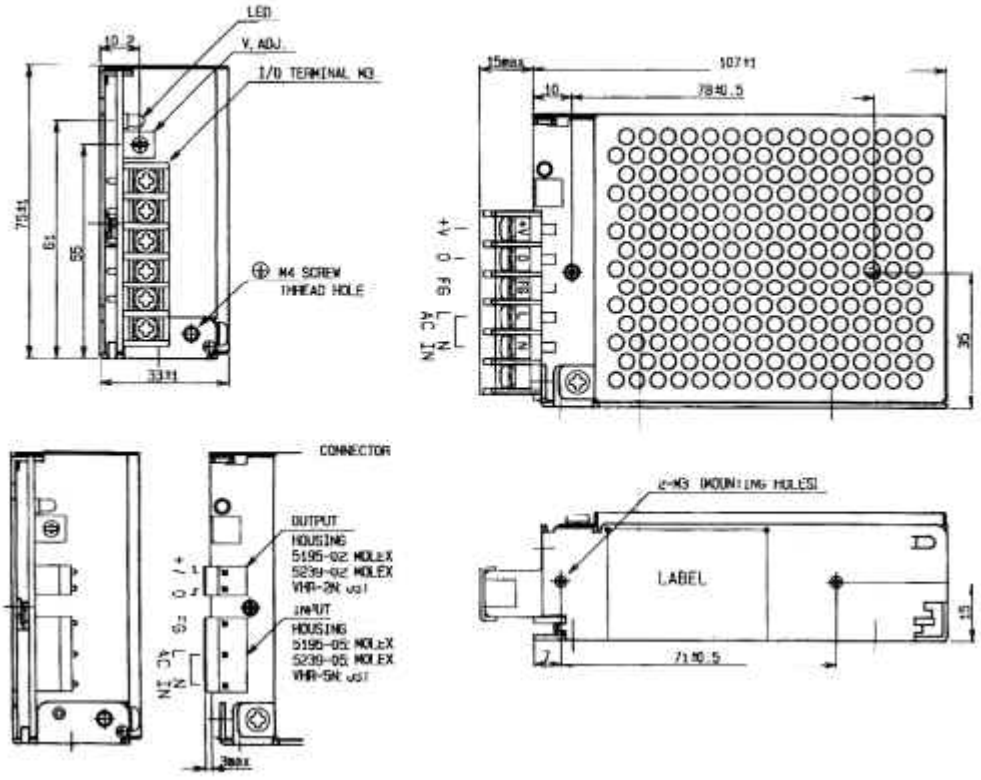

- No. 6-32 mounting hol
- Dimensions in mm
- Terminal block or "pin type connector availab

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.