

60W Dual Output Medical Internal Power Supplies

DESCRIPTION

The NSP-HL6131 Dual Output Medical series of Enclose constructed, AC/DC switching mode power supplies provide 60 Watts of continuous output power. They are ideally suited for use in disc drive systems, micro-process or based systems, portable equipments and many other applications, all models are designed to meet the safety requirements of UL60601-1/CSA C22.2 No.601.1, TUV EN60601-1, IEC60601-1-1 2nd, VDE DIN-EN60601-1-4 CB and CE requirements. All units are 100% burned in and tested. EMI: FCC CFR 47 CH. 1 Part 18 Class B, EN50081-1:1992, EN55011, ENV50204 (1995), EN60601-1-2 (1997) CNS 13438 Class B. EMS: EN50082-1 (1997), EN61000-4-2,3,4,5,6,8,11.



FEATURES

- Wide Input Voltage 90 to 264 VAC, 47 to 63 Hz
- Built-In EMI Filter, Low Ripple Noise
- Green Mode Design, <0.75W
- Dual Output Voltages
- Power ON with LED Indicator
- 3 year warranty
- Size: 3.23" x 5.0" x 1.5"
- Low Cost
- No Load Requirement
- 100% Burn-In at 50°C
- MTBF 472K Hours
- CONVECTION COOLED, NATURAL COOLING

ELECTRICAL CHARACTERISTICS

- Efficiency: 77% min.
- Line Regulation: 1% max.
- Load Regulation: 3%-8%. (see table)
- Hold-up Time: >40mS min at 230VAC.
- Output ripple and noise: 1% max.

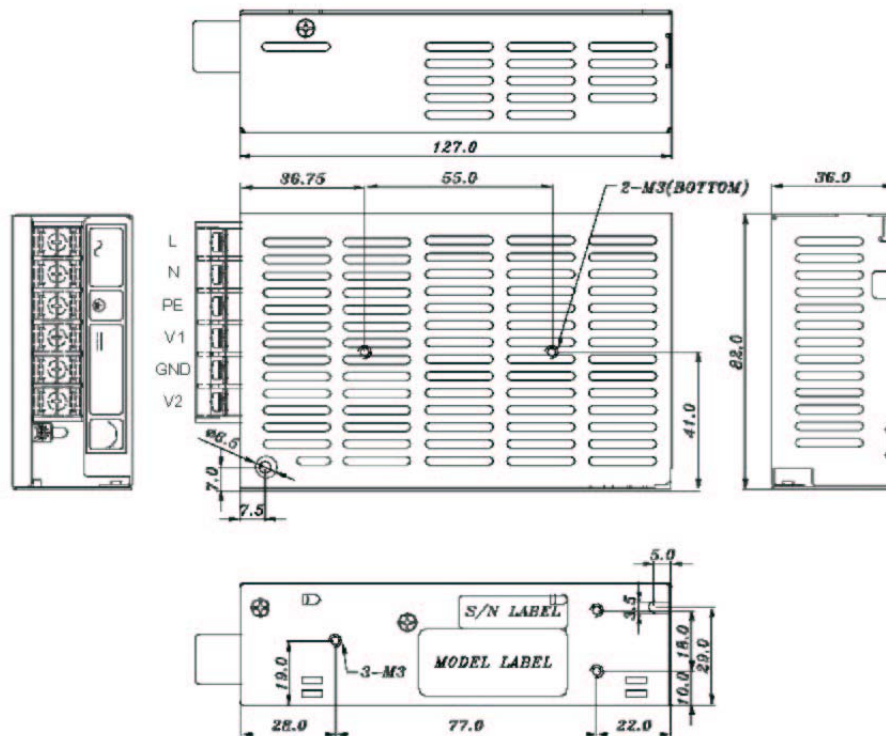
ENVIRONMENTAL

- Operating Temperature: 0 to 70°C
- De-rate linearly from 45 to 70°C by 2.5%
- Storage Temperature: -20 to 85°C
- Relative Humidity: 5 to 95%

OUTPUT VOLTAGE AND CURRENT RANGE

Model\ No.	Output Voltage	Max. Output Current	Total Regulation	Max. Output Power	Efficiency	Ripple Noise Max
▶ NSP-HL6131A	5.0VDC 12.0VDC	0.5A - 10.0A 0.3A - 3.0A	±3% ±5%	60W	75%	50mV 120mV
▶ NSP-HL6131B	5.0VDC 24VDC	0.5A - 6.0A 0.3A - 2.5A	±3% ±6%	60W	75%	50mV 240mV
▶ NSP-HL6131C	12VDC -12VDC	0.5A - 5.0A 0.3A - 2.5A	±3% ±8%	60W	77%	120mV 120mV
▶ NSP-HL6131D	15.0VDC -15.0VDC	0.5A - 4.0A 0.3A - 2.0A	±3% ±8%	60W	77%	150mV 200mV

Dimension:



NOTES:

1. MATERIAL : COVER & CHASSIS S.P.C.C. NICKLE PLATED.
2. TERMINAL BLOCK : 6P, PITCH 9.5 mm WITH PC COVER.
3. UNIT:mm.