# NSP

NS POWER

60W Internal Enclosed Frame type switching power supplies for Medical

## DESCRIPTION

The NSP-HL6116 series of Medical Enclose constructed, AC/DC switching mode power supplies provide 60 Watts of continuous output power. They are ideally suited for use in medical applications, medical based systems, medical portable equipments and many other medical applications, all models are designed to meet the safety requirements of UL60601-1, CSA C22.2 No.601.1, TUV EN60601-1, IEC 60601-1-1 2nd, VDE DIN-EN60601-1-4 (1999). All units are 100% burned in and tested. EMI: FCC CFR 47CH.1 PART 18 Class B, EN50081-1:1992, EN55011, CNS13438 Class B, ENV50204 (1995), EN60601-1-2 (1997). EMS: EN50082-1 (1997), EN61000-4-2,3,4,5,8,11

## FEATURES

- Wide Input Voltage 90 to 264 VAC, 47 to 63 Hz
- Built-In EMI Filter, Low Ripple Noise
- Green Mode Design, <0.75W
- Output Voltage 5.0VDC – 48VDC
- Output Voltage ±10% Adjustment
- Single Output
- 2 year warranty
- Size: 3.23" x 5" x 1.38"
- Low Cost
- No Load Requirement
- 100% Burn-In at 50°C
- MTBF 408K Hours
- CONVECTION COOLED, NATURAL COOLING

## ELECTRICAL CHARACTERISTICS

- Efficiency: 71% min.
- Line Regulation: 1% max.
- Load Regulation: 3% max.
- Hold-up Time: >40mS min at 230VAC.
- Output ripple and noise: 1% max.

## ENVIRONMENTAL

- Operating Temperature: 0 to 70°C
- De-rate linearly from 50 to 70°C by 2.5%/°
- Storage Temperature: -10 to 75°C
- Relative Humidity: 10 to 95%

TELEPHONE: (800) 670-0225 FAX: (866) 430-6114

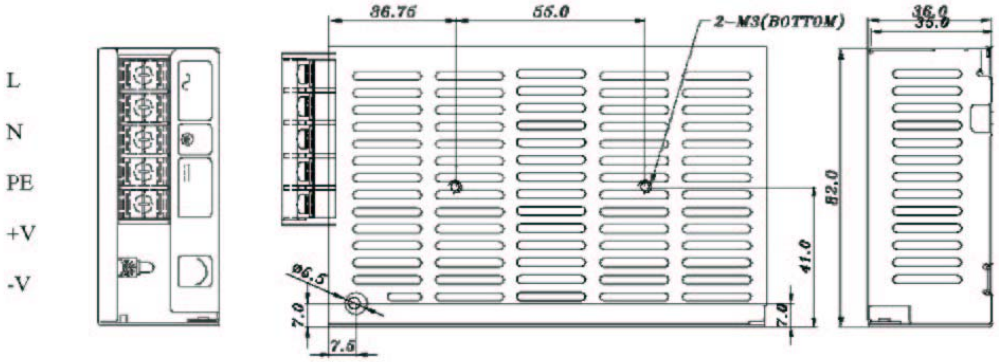
# NSP

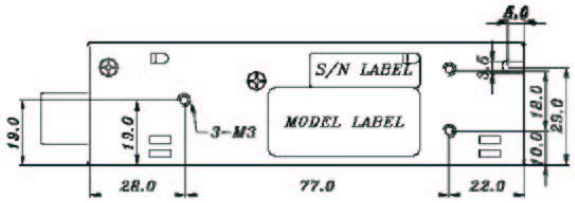
NS POWER

## OUTPUT VOLTAGE AND CURRENT RANGE

| Model\ No. | Output Voltage | Max. Output Current | Total Regulation | Max. Output Power | Efficiency | Ripple Noise Max |
|---|---|---|---|---|---|---|
| ►NSP-HL6114A | 5.0VDC | 0A - 10.0A | 2% | 50W | 74% | 50mV |
| ►NSP-HL6114B | 12.0VDC | 0A - 5.0A | 1% | 60W | 77% | 120mV |
| ►NSP-HL6114C | 15.0VDC | 0A - 4.0A | 1% | 60W | 78% | 150mV |
| ►NSP-HL6114D | 24.0VDC | 0A - 2.5A | 1% | 60W | 80% | 240mV |
| ►NSP-HL6114E | 30.0VDC | 0A - 2.0A | 1% | 60W | 80% | 300mV |
| ►NSP-HL6114F | 48.0VDC | 0A - 1.3A | 1% | 60W | 80% | 300mV |

Dimension:




NOTES:

1. MATERIAL : COVER & CHASSIS S.P.C.C. NICKLE PLATED.
2. TERMINAL BLOCK : 5P, PITCH 9.5 mm WITH PC COVER.
3. UNIT:mm.


TELEPHONE: (800) 670-0225 FAX: (866) 430-6114