

▶ 120W Internal Enclosed Frame type switching power supplies for I.T.E

▶ DESCRIPTION

The NSP-HL6121 series of Enclose constructed, AC/DC switching mode power supplies provide 83-120 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 UL1950/CSA C22.2 No. 950 3rd/EN60950, IEC60950 TUV, CB and CE requirements. All units are 100% burned in and tested. EMI: EN55022 Class B, FCC CFR 47 Part 15 Class B, CNS 13438 Class B. EMS: EN55024, EN61000-4-2,3,4,5,6,8,11.

▶ FEATURES

- Wide Input Voltage 90 to 264 VAC, 47 to 63 Hz
- Active P.F.C. >0.95
- Remote Control On/Off Optional
- Over temperature protection Optional
- Built-In EMI Filter, Low Ripple Noise
- Output Voltage 3.3VDC – 48VDC
- Output Voltage $\pm 10\%$ Adjustment
- Single Output
- 2 year warranty
- Size: 3.9" x 7.0" x 1.38"
- Low Cost
- No Load Requirement
- 100% Burn-In at 50°C
- MTBF 224K Hours
- CONVECTION COOLED, NATURAL COOLING



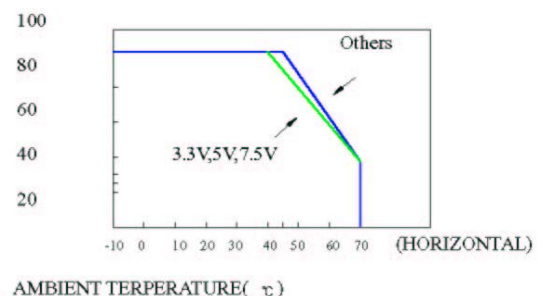
▶ ELECTRICAL CHARACTERISTICS

- Efficiency: 68% to 83%. (see table)
- Line Regulation: 1% max.
- Load Regulation: 1-3% max. (see table)
- Hold-up Time: >40mS min at 230VAC.
- Output ripple and noise: 1% max.

▶ ENVIRONMENTAL

- Operating Temperature: -20 to 70°C
- De-rate linearly from 45 to 70°C by 2.0%/°
- Storage Temperature: -20 to 85°C
- Relative Humidity: 5 to 95%

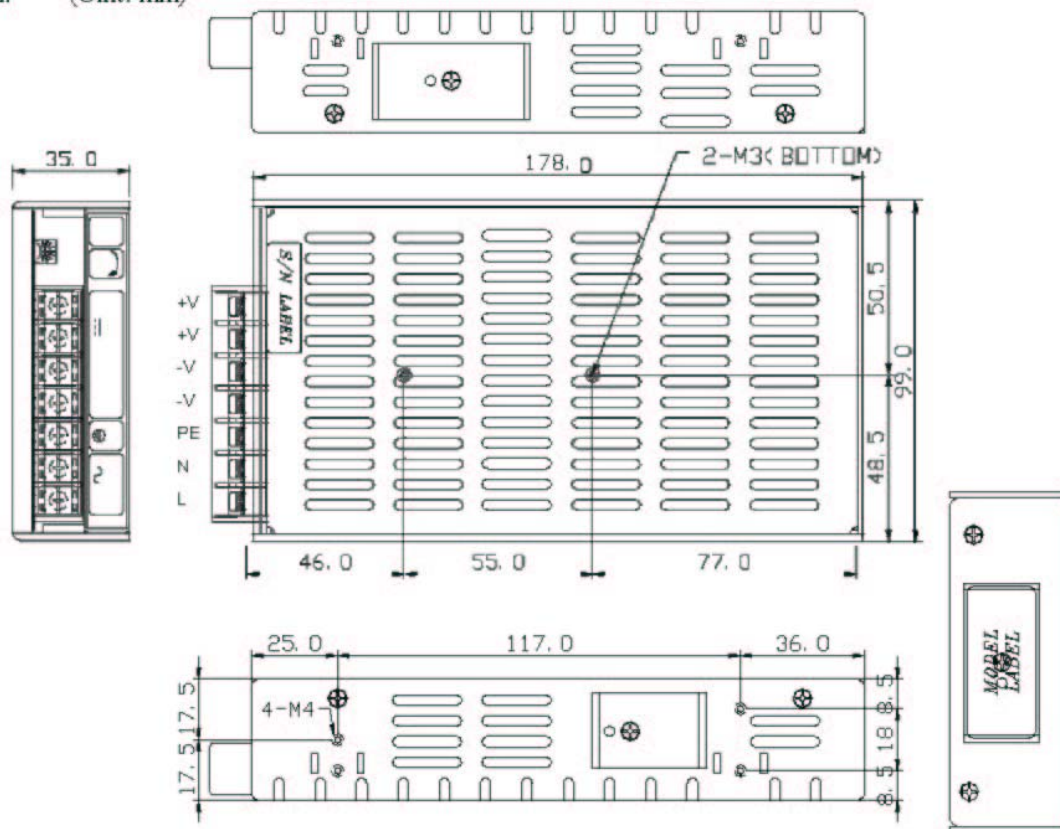
Derating Curve •



OUTPUT VOLTAGE AND CURRENT RANGE

Model No.	Output Voltage	Max. Output Current	Total Regulation	Max. Output Power	Efficiency	Ripple Noise Max
▶NSP-HL6121A	3.3VDC	0A - 25.0A	3%	83W	69%	50mV
▶NSP-HL6121B	5.0VDC	0A - 20.0A	2%	100W	75%	70mV
▶NSP-HL6121C	7.5VDC	0A - 16.0A	2%	120W	77%	80mV
▶NSP-HL6121D	12.0VDC	0A - 10.0A	1%	120W	80%	100mV
▶NSP-HL6121E	15.0VDC	0A - 8.0A	1%	120W	80%	120mV
▶NSP-HL6121F	24.0VDC	0A - 5.0A	1%	120W	81%	150mV
▶NSP-HL6121G	30.0VDC	0A - 4.0A	1%	120W	81%	180mV
▶NSP-HL6121H	48.0VDC	0A - 2.5A	1%	120W	81%	250mV

Dimension: (Unit: mm)



NOTES:

TERMINAL BLOCK: 7P, PITCH 9.5mm WITH PC COVER.