

- ▶ 170W Internal Enclosed Frame type switching power supplies for I.T.E

## ▶ DESCRIPTION

The NSP-HL6124 series of Enclose constructed, AC/DC switching mode power supplies provide 170 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 3<sup>rd</sup>/EN60950, IEC60950 TUV, CB, CCC GB 943 standard 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

- 88VAC – 132VAC or 175VAC – 264VAC selected by SW, 47-63Hz
- Active P.F.C. Meets IEC 1000-3-2 Class A standard
- 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 7.8" x 1.97"
- Low Cost
- No Load Requirement
- 100% Burn-In at 50°C
- MTBF 220K Hours
- CONVECTION COOLED, NATURAL COOLING



## ▶ ELECTRICAL CHARACTERISTICS

- Efficiency: 72% to 84%. (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.

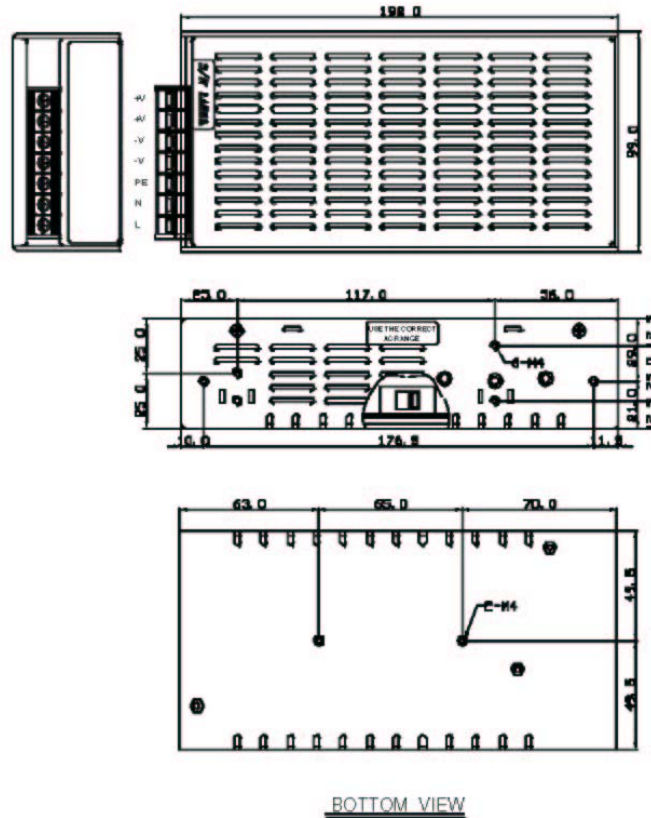
## ▶ ENVIRONMENTAL

- Operating Temperature: 0 to 70°C
- De-rate linearly from 45 to 70°C by 2.5%/°
- Storage Temperature: -10 to 75°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-HL6124A	3.3VDC	0A – 30.0A	3%	99W	69%	50mV
▶NSP-HL6124B	5.0VDC	0A – 30.0A	2%	150W	75%	70mV
▶NSP-HL6124C	7.5VDC	0A – 21.0A	1%	158W	77%	100mV
▶NSP-HL6124D	12.0VDC	0A – 14.2A	1%	170W	80%	100mV
▶NSP-HL6124E	15.0VDC	0A – 11.4A	1%	170W	80%	120mV
▶NSP-HL6124F	24.0VDC	0A – 7.1A	1%	170W	83%	240mV
▶NSP-HL6124G	28.0VDC	0A – 6.1A	1%	170W	84%	240mV
▶NSP-HL6124H	48.0VDC	0A – 3.6A	1%	170W	84%	240mV

### Dimensions: (MM)



#### NOTES:

1. MATERIAL : COVER & CHASSIS NATURAL ALUMINIUM.
2. TERMINAL BLOCK : 7P, PITCH 9.5 mm WITH PC COVER.
3. UNIT : mm.