

230W Internal Enclosed Frame type switching power supplies for I.T.E

DESCRIPTION

The NSP-HL6126 series of Enclose constructed, AC/DC switching mode power supplies provide 230 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, 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

- Universal AC Input 85VAC – 264VAC, 47-63Hz
- Active P.F.C. >0.95
- Power-On with LED indicator
- Remote Control On/Off Optional
- Over Temp. 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 7.8" x 1.97"
- Low Cost
- No Load Requirement
- 100% Burn-In at 50°C
- MTBF 205K Hours
- CONVECTION COOLED, NATURAL COOLING



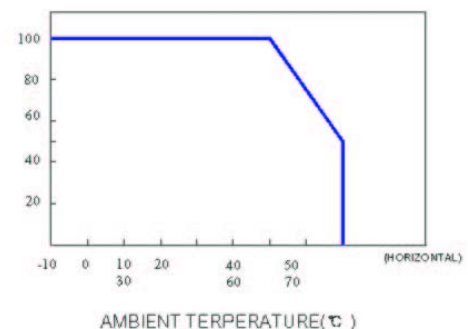
ELECTRICAL CHARACTERISTICS

- Efficiency: 69% 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: -10 to 70°C
- De-rate linearly from 50 to 70°C by 2.5%/°
- Storage Temperature: -10 to 75°C
- Relative Humidity: 5 to 95%

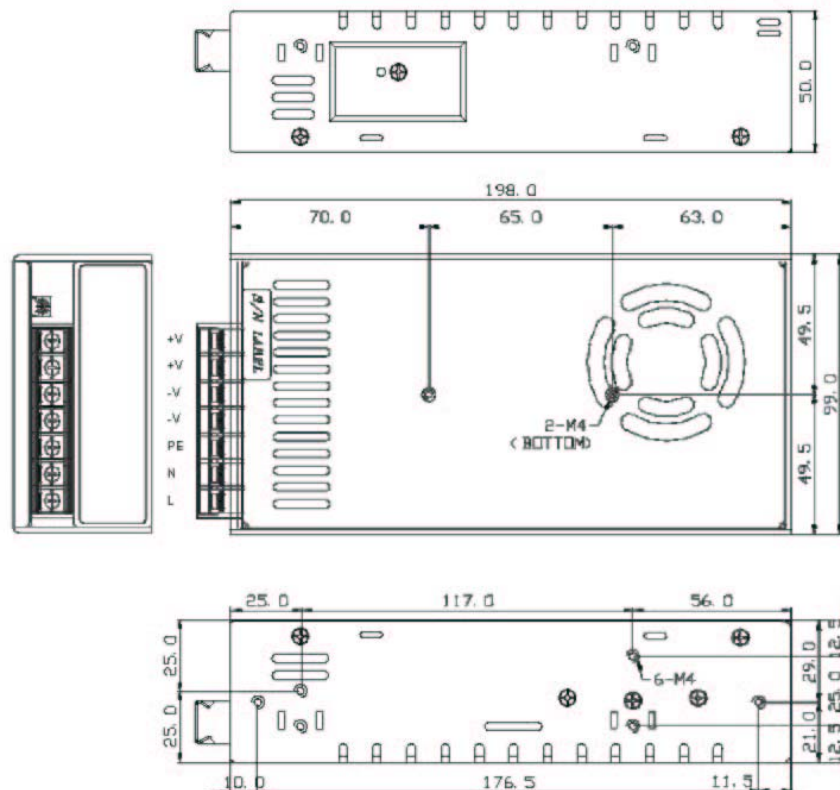
Derating Curve • •



OUTPUT VOLTAGE AND CURRENT RANGE

Model\ No.	Output Voltage	Max. Output Current	Total Regulation	Max. Output Power	Efficiency	Ripple Noise Max
▶ NSP-HL6126A	3.3VDC	0A – 40.0A	3%	132W	69%	50mV
▶ NSP-HL6126B	5.0VDC	0A – 40.0A	2%	200W	75%	70mV
▶ NSP-HL6126C	7.5VDC	0A – 30.7A	2%	230W	77%	80mV
▶ NSP-HL6126D	12.0VDC	0A – 19.2A	1%	230W	80%	100mV
▶ NSP-HL6126E	15.0VDC	0A – 15.4A	1%	230W	80%	120mV
▶ NSP-HL6126F	24.0VDC	0A – 9.6A	1%	230W	83%	150mV
▶ NSP-HL6126G	27.0VDC	0A – 8.6A	1%	230W	84%	180mV
▶ NSP-HL6126H	48.0VDC	0A – 4.8A	1%	230W	84%	250mV

Dimension: (Unit: mm)



NOTES:

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