

35W Internal Enclosed Frame type switching power supplies for I.T.E

DESCRIPTION

The NSP-HL61115 series of Enclose constructed, AC/DC switching mode power supplies provide 35 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
- Built-In EMI Filter, Low Ripple Noise
- Green Mode Design, <0.75W
- Output Voltage 3.3VDC – 48VDC
- Output Voltage $\pm 10\%$ Adjustment
- Single Output
- Ultra Compact Size
- 2 year warranty
- Size: 3.23" x 3.9" x 1.38"
- Low Cost
- No Load Requirement
- 100% Burn-In at 50°C
- MTBF 313K Hours
- CONVECTION COOLED, NATURAL COOLING

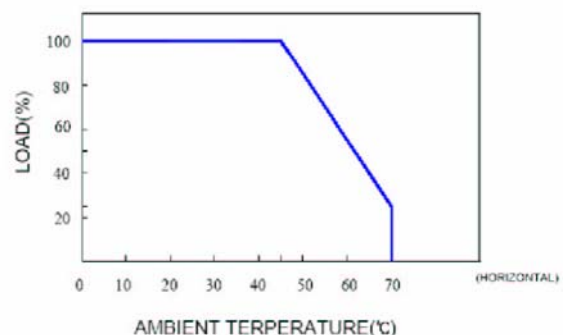
ELECTRICAL CHARACTERISTICS

- 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 45 to 70°C by 3.0%/°
- Storage Temperature: -20 to 85°C
- Relative Humidity: 5 to 95%

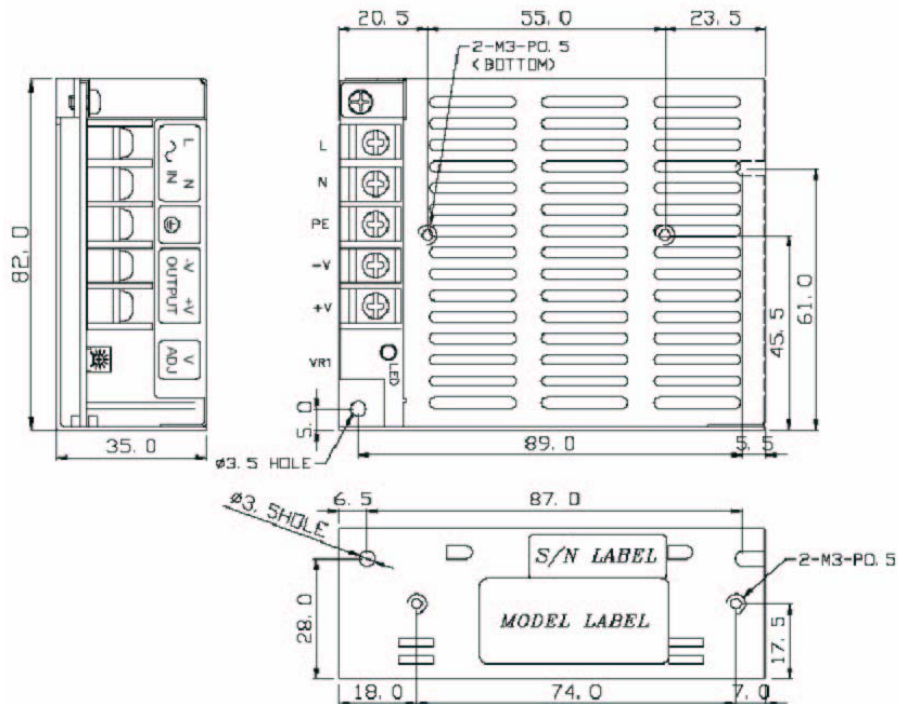
Derating Curve • •



OUTPUT VOLTAGE AND CURRENT RANGE

Model\ No.	Output Voltage	Max. Output Current	Total Regulation	Max. Output Power	Efficiency	Ripple Noise Max
▶NSP-HL6115A	3.3VDC	0A - 9.0A	3%	30W	68%	50mV
▶NSP-HL6115B	5.0VDC	0A - 7.0A	2%	35W	70%	50mV
▶NSP-HL6115C	7.5VDC	0A - 4.7A	1%	35W	74%	70mV
▶NSP-HL6115D	12.0VDC	0A - 3.0A	1%	35W	76%	100mV
▶NSP-HL6115E	15.0VDC	0A - 2.4A	1%	35W	76%	100mV
▶NSP-HL6115EM	18.0VDC	0A - 2.0A	1%	35W	77%	150mV
▶NSP-HL6115F	24.0VDC	0A - 1.1A	1%	35W	78%	150mV
▶NSP-HL6115G	28.0VDC	0A - 0.9A	1%	35W	78%	200mV
▶NSP-HL6115H	48.0VDC	0A - 0.57A	1%	35W	80%	250mV

Dimension: (Unit: mm)



NOTES:
TERMINAL BLOCK: 5P, PITCH 9.5mm.