

25W Internal Enclosed Frame type switching power supplies for I.T.E

DESCRIPTION

The NSP-HL6114 series of Ultra compact, Enclose constructed, AC/DC switching mode power supplies provide 25 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/EN60950, 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: 2.0" x 3.1" x 1.1"
- Low Cost
- No Load Requirement
- 100% Burn-In at 50°C
- MTBF 450K Hours
- Operating temp. -25° to 70°C
- CONVECTION COOLED, NATURAL COOLING



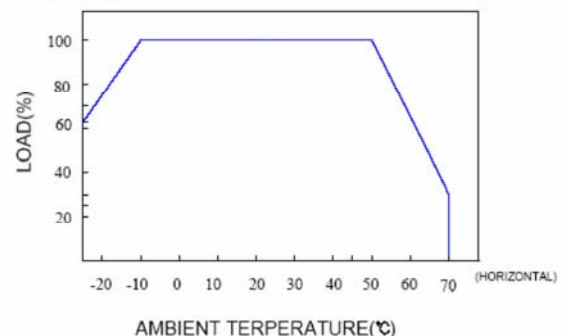
ELECTRICAL CHARACTERISTICS

- 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: -25 to 70°C
- De-rate linearly from -25 to -10°C by 2.5%, and 50 to 70°C by 2.5%
- Storage Temperature: -40 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-HL6114A	3.3VDC	0A - 6.0A	3%	20W	71%	50mV
▶NSP-HL6114B	5.0VDC	0A - 5.0A	2%	25W	75%	50mV
▶NSP-HL6114C	7.5VDC	0A - 3.4A	1%	25W	79%	50mV
▶NSP-HL6114D	12.0VDC	0A - 2.1A	1%	25W	82%	100mV
▶NSP-HL6114E	15.0VDC	0A - 1.7A	1%	25W	82%	100mV
▶NSP-HL6114F	24.0VDC	0A - 1.1A	1%	26W	85%	240mV
▶NSP-HL6114G	30.0VDC	0A - 0.9A	1%	27W	85%	250mV
▶NSP-HL6114H	48.0VDC	0A - 0.57A	1%	27W	85%	250mV

Dimension: (Unit: mm)

