

150W Open frame type switching power supplies for I.T.E.

DESCRIPTION

The NSP150 series of compact, open frame constructed, AC/DC switching mode power supplies provide 150 Watts of continuous output power. They are ideally suited for use in disc drive systems, microprocess or based systems, portable equipments and many other applications. All models meet FCC Part-15 class B and CISPR-22 class B emission limits and are designed to comply with UL/c-UL(UL 60950-1), TUV/Bauart(EN 60950-1) and new CE requirements. All units are 100% burned in and tested.



FEATURES

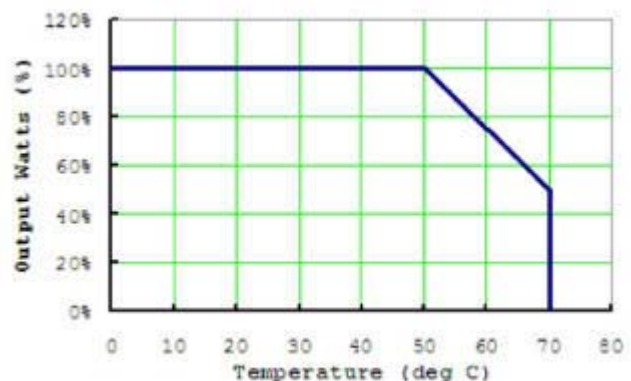
- Wide Input Voltage 90 to 264 VAC, 47 to 63 Hz
- Input connector mates with Molex housing 09-50-3051 and Molex 2478 series crimp terminal
- Output connector mates with Molex housing 09-50-3131 and Molex 2478 series crimp terminal
- Output Voltage Available from 9VDC through 48VDC
- Single Output
- Input Surge Current, Over Voltage and Over Load Protection
- 2 year warranty
- Class I Insulation
- Power Factor Correction
- Power Fail Detect (Optional)
- Synchronous Rectification
- Internal EMI filter

ELECTRICAL CHARACTERISTICS

- Efficiency: 80% min.
- Line Regulation: 1% max.
- Load Regulation: 5% max.
- Hold-up Time: 16mS min.
- Output ripple and noise: 0.5% (Typ.).
(The Ripple & Noise which is under 3.3VDC at 2% max)

ENVIRONMENTAL

- Operating Temperature: 0 to 70°C
- Derate linearly from 100% load at 50°C to 50% load at 70°C
- Storage Temperature: -40 to 85°C
- Relative Humidity: 5 to 95%
- MTBF: 100,000 calculated hours.



OUTPUT VOLTAGE AND CURRENT RANGE

Model No.	Output Voltage	Max. Output Current	Total Regulation	Max. Output Power	Safety
▶ NSP150-4	9VDC	16.0A	5%	144W	UL/CUL, BAUART/CE
▶ NSP150-5	12VDC	12.5A	5%	150w	UL/CUL, BAUART/CE
▶ NSP150-6	15VDC	10.0A	5%	150W	UL/CUL, BAUART/CE
▶ NSP150-7	18VDC	8.33A	4%	150W	UL/CUL, BAUART/CE
▶ NSP150-8	24VDC	6.25A	3%	150W	UL/CUL, BAUART/CE
▶ NSP150-9	30VDC	5.0A	2%	150W	UL/CUL, BAUART/CE
▶ NSP150-10	36VDC	4.17A	2%	150W	UL/CUL, BAUART/CE
▶ NSP150-11	48VDC	3.13A	2%	150W	UL/CUL, BAUART/CE

PIN CHART

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13 (Optional)
MODEL	OUT	OUT	OUT	OUT	OUT	OUT	RTN	RTN	RTN	RTN	RTN	RTN	PFD
NSP150-1XX	OUT	OUT	OUT	OUT	OUT	OUT	RTN	RTN	RTN	RTN	RTN	RTN	PFD

Note:

1. Dimensions are shown in inches or mm .
2. Weight: 390gs approx.
3. Input connector mates with Molex housing 09-50-3051 and Molex 2478 series crimp terminal.
4. Output connector mates with Molex housing 09-50-3131 and Molex 2478 series crimp terminal.

Mechanical Specifications :

