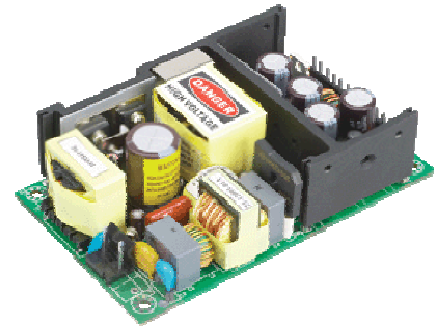


150W Open frame type switching power supplies for I.T.E.

DESCRIPTION

The NSP151 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, micro-process 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

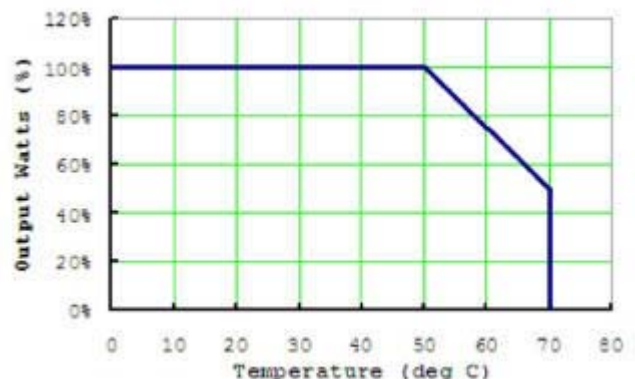
- Wide Input Voltage 90 to 264 VAC, 47 to 63 Hz
- Input connector mates with Molex housing 09-50-3031 and Molex 2478 series crimp terminal
- Output connector mates with Molex housing 09-50-3131 and Molex 2478 series crimp terminal
- Output Voltage Available from 9VDC through 48VDC
- Single Output
- Input 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.).

ENVIRONMENTAL

- Operating Temperature: 0 to 70°C
- De-rate 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
▶ NSP151-104	9VDC	16.0A	5%	144W	UL/CUL, TUV-Bauart, CE
▶ NSP151-105	12VDC	12.5A	5%	150W	UL/CUL, TUV-Bauart, CE
▶ NSP151-106	15VDC	10.0A	5%	150W	UL/CUL, TUV-Bauart, CE
▶ NSP151-107	18VDC	8.33A	4%	150W	UL/CUL, TUV-Bauart, CE
▶ NSP151-108	24VDC	6.25A	3%	150W	UL/CUL, TUV-Bauart, CE
▶ NSP151-109	30VDC	5.0A	2%	150W	UL/CUL, TUV-Bauart, CE
▶ NSP151-110	36VDC	4.17A	2%	150W	UL/CUL, TUV-Bauart, CE
▶ NSP151-111	48VDC	3.13A	2%	150W	UL/CUL, TUV-Bauart, CE

PIN CHART

MODEL	PIN	1	2	3	4	5	6	7	8	9	10	11	12	13
NSP151-1XX		OUT	OUT	OUT	OUT	OUT	OUT	RTN	RTN	RTN	RTN	RTN	RTN	PFD (Optional)

Note:

1. Dimensions are shown in inches or mm.
2. Weight: 390gs approx.
3. Input connector mates with Molex housing 09-50-3031 and Molex 2478 series crimp terminal.
4. Output connector mates with Molex housing 09-50-3131 and Molex 2478 series crimp terminal.

Mechanical Specifications :

