

100W Open frame type switching power supplies for I.T.E.

DESCRIPTION ►

The NSP100 series of compact, open frame constructed, AC/DC switching mode power supplies provide 100 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 ►

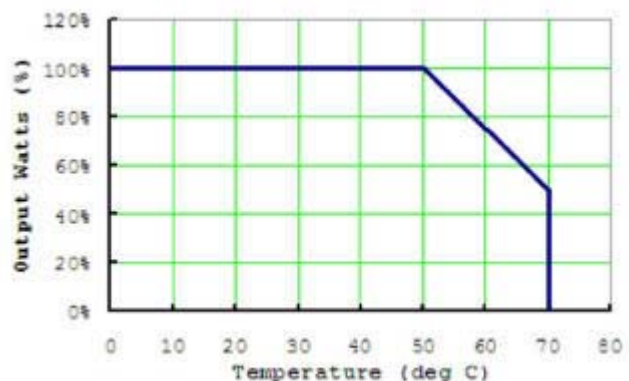
- Wide Input Voltage 90 to 264 VAC, 47 to 63 Hz
- Input connector mates with Molex housing 09-50-3051 and Molex 2478 series crimp terminal
- Output connector mates with Molex housing 09-50-3131 and Molex 2478 series crimp terminal
- Output Voltage Available from 3VDC through 50VDC
- Single Output
- Input Surge Current, Over Voltage and Over Load Protection
- 2 year warranty
- Class I Insulation

ELECTRICAL CHARACTERISTICS ►

- Efficiency: 85% max.
- Line Regulation: 1% max.
- Load Regulation: 7% 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
- Derated 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.



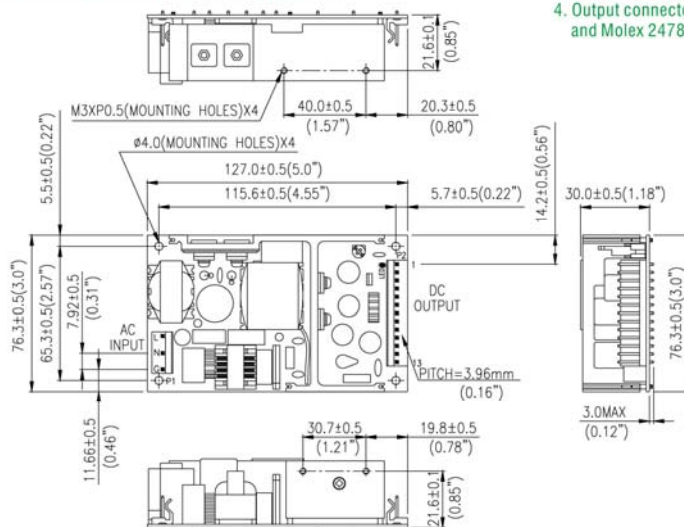
OUTPUT VOLTAGE AND CURRENT RANGE ▶

Model No.	Output Voltage	Max. Output Current	Total Regulation	Max. Output Power	Safety
▶ NSP100-101	3~5VDC	18.00~10.8A	5%	54W	UL/cUL.TUV-Bauart.CE.CB
▶ NSP100-102	5~6VDC	14.00~11.66A	5%	70W	UL/cUL.TUV-Bauart.CE.CB
▶ NSP100-103	6~9VDC	13.33~8.88A	5%	80W	UL/cUL.TUV-Bauart.CE.CB
▶ NSP100-104	9~11VDC	11.11~9.09A	5%	100W	UL/cUL.TUV-Bauart.CE.CB
▶ NSP100-105	11~13VDC	9.09~7.69A	3%	100W	UL/cUL.TUV-Bauart.CE.CB
▶ NSP100-106	13~16VDC	7.69~6.25A	3%	100W	UL/cUL.TUV-Bauart.CE.CB
▶ NSP100-107	16~21VDC	6.25~4.76A	3%	100W	UL/cUL.TUV-Bauart.CE.CB
▶ NSP100-108	21~27VDC	4.76~3.70A	2%	100W	UL/cUL.TUV-Bauart.CE.CB
▶ NSP100-109	27~33VDC	3.70~3.03A	2%	100W	UL/cUL.TUV-Bauart.CE.CB
▶ NSP100-110	33~40VDC	3.03~2.50A	2%	100W	UL/cUL.TUV-Bauart.CE.CB
▶ NSP100-111	40~50VDC	2.50~2.00A	2%	100W	UL/cUL.TUV-Bauart.CE.CB

PIN CHART

MODEL	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8	PIN 9	PIN 10	PIN 11	PIN 12	PIN 13
NSP100-1XX-13PIN	OUT	OUT	OUT	OUT	OUT	RTN	RTN	RTN	RTN	RTN	RTN	RTN	N/C

Mechanical Specifications :



Note:

1. Dimensions are shown in inches or mm.
2. Weight: 345gs 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.