

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

DESCRIPTION

The NSP101 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, 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

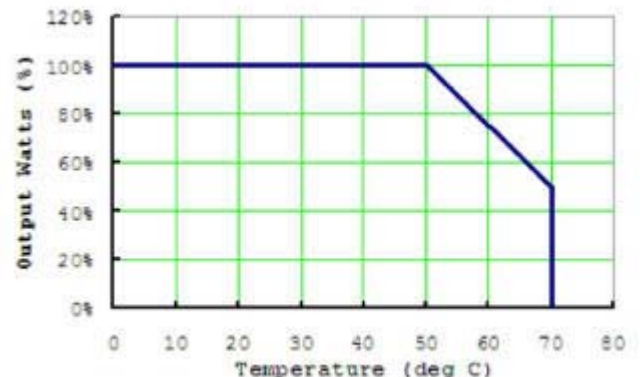
- Wide Input Voltage 90 to 264 VAC, 47 to 63 Hz
- Input connector mates with Molex housing 09-50-3031 and Molex 2478 series crimp terminal
- Output connector mates with Molex housing 09-50-3131 and Molex 2478 series crimp terminal
- Output Voltage Available from 3VDC through 50VDC
- Single Output
- Input 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
- De-rated 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.



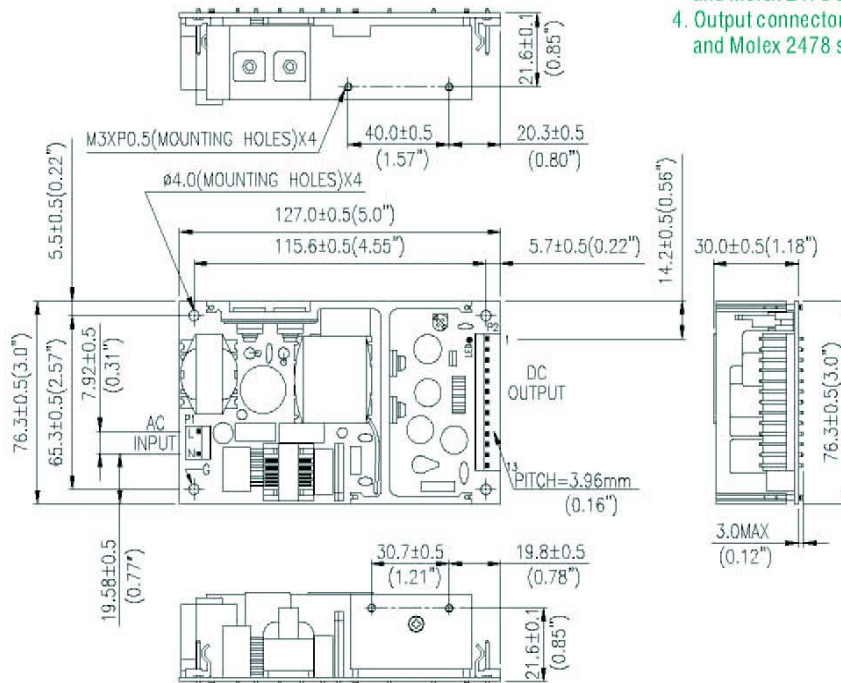
OUTPUT VOLTAGE AND CURRENT RANGE

Model No.	Output Voltage	Max. Output Current	Total Regulation	Max. Output Power	Safety
▶NSP101-101	3~5VDC	18.00~10.8A	5%	54W	UL/cUL.TUV-Bauart.CE.CB
▶NSP101-102	5~6VDC	14.00~11.66A	5%	70W	UL/cUL.TUV-Bauart.CE.CB
▶NSP101-103	6~9VDC	13.33~8.88A	5%	80W	UL/cUL.TUV-Bauart.CE.CB
▶NSP101-104	9~11VDC	11.11~9.09A	5%	100W	UL/cUL.TUV-Bauart.CE.CB
▶NSP101-105	11~13VDC	9.09~7.69A	3%	100W	UL/cUL.TUV-Bauart.CE.CB
▶NSP101-106	13~16VDC	7.69~6.25A	3%	100W	UL/cUL.TUV-Bauart.CE.CB
▶NSP101-107	16~21VDC	6.25~4.76A	3%	100W	UL/cUL.TUV-Bauart.CE.CB
▶NSP101-108	21~27VDC	4.76~3.70A	2%	100W	UL/cUL.TUV-Bauart.CE.CB
▶NSP101-109	27~33VDC	3.70~3.03A	2%	100W	UL/cUL.TUV-Bauart.CE.CB
▶NSP101-110	33~40VDC	3.03~2.50A	2%	100W	UL/cUL.TUV-Bauart.CE.CB
▶NSP101-111	40~50VDC	2.50~2.00A	2%	100W	UL/cUL.TUV-Bauart.CE.CB

PIN CHART

MODEL	PIN	1	2	3	4	5	6	7	8	9	10	11	12	13
NSP101-1XX		OUT	OUT	OUT	OUT	OUT	OUT	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 09-50-3031 and Molex 2478 series crimp terminal.
4. Output connector mates with Molex housing 09-50-3131 and Molex 2478 series crimp terminal.