

30W Open frame type switching power supplies for Medical Equipment

DESCRIPTION

The NSP-MO31 series of compact, open frame constructed, AC/DC switching mode power supplies provide 30 Watts of continuous output power. They are suited for use in hospital instrument and many other applications. All models meet FCC Part-18 class B and CISPR-11 EN55011 class B emission Limits and are designed to comply with UL/c-UL(UL 60601-1), TUV/T-mark(EN 60601-1) and new CE requirements. All units are 100% burned in and tested.

RoHS
2002/95/EC
COMPLIANT



FEATURES

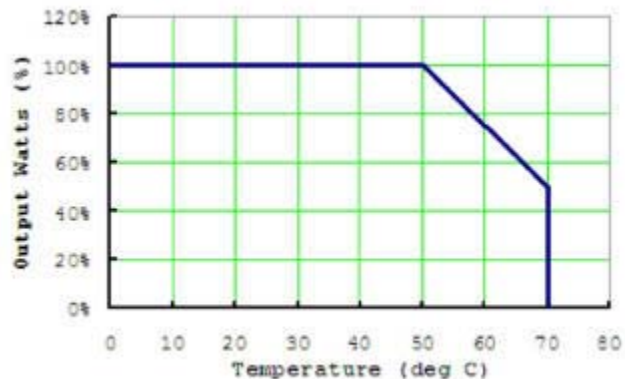
- Wide Input Voltage 90 to 264 VAC, 47 to 63 Hz
- Input connector mates with Molex housing 09-50-3031 and Molex 2478 series crimp terminal
- Output connector mates with Molex housing 09-50-3041 and Molex 2478 series crimp terminal
- Output Voltage Available from 5VDC through 40VDC
- Single Output
- Input Surge Current, Over Voltage and Over Load Protection
- Size: 1.5"x4"
- Class II Insulation
- Internal EMI filter
- 3 year warranty

ELECTRICAL CHARACTERISTICS

- Efficiency: 92% max.
- Line Regulation: 1% max.
- Load Regulation: 5% max.
- Hold-up Time: 14mS min.
- Output ripple and noise: 1% 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.	Adj. Output Voltage	Max. Output Current	Total Regulation	Max. Output Power	Safety
> NSP-MO31-102	5 ~ 6 VDC	4.00 ~ 3.33 A	5%	20W	RoHS, CE
> NSP-MO31-103	6 ~ 8 VDC	2.87 ~ 3.83 A	5%	23W	RoHS, CE
> NSP-MO31-104	8 ~ 11 VDC	3.37 ~ 2.45 A	5%	27W	RoHS, CE
> NSP-MO31-105	11 ~ 13 VDC	2.72 ~ 2.30 A	5%	30W	RoHS, CE
> NSP-MO31-106	13 ~ 16 VDC	2.30 ~ 1.87 A	5%	30W	RoHS, CE
> NSP-MO31-107	16 ~ 21 VDC	1.87 ~ 1.42 A	5%	30W	RoHS, CE
> NSP-MO31-108	21 ~ 27 VDC	1.42 ~ 1.11 A	3%	30W	RoHS, CE
> NSP-MO31-109	27 ~ 33 VDC	1.11 ~ 0.90 A	3%	30W	RoHS, CE
> NSP-MO31-110	33 ~ 40 VDC	0.90 ~ 0.75 A	3%	30W	RoHS, CE

Mechanical Specifications :

- Note:
1. Dimensions are shown in inches or mm.
 2. Weight: 200gs approx.
 3. Input connector mates with Molex housing 09-50-3031 and Molex 2478 series crimp terminal.
 4. Output connector mates with Molex housing 09-50-3041 and Molex 2478 series crimp terminal.

