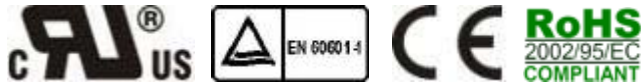


- ▶ 30W Open frame type switching power supplies for Medical Equipment

## DESCRIPTION

The NSP-MO30 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.



## FEATURES

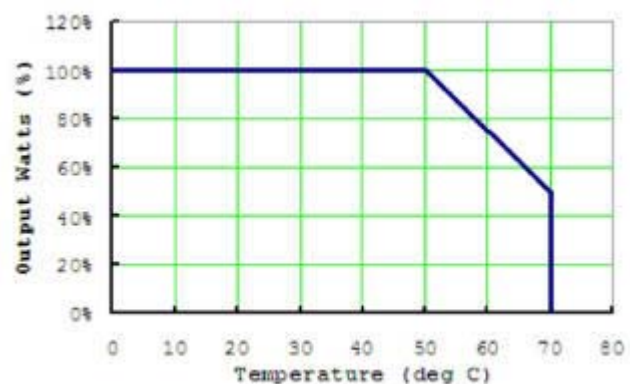
- Wide Input Voltage 90 to 264 VAC, 47 to 63 Hz
- Input connector mates with Molex housing 09-50-3031 and Molex 2478 series crimp terminal
- Output connector mates with Molex housing 09-50-3061 and Molex 2478 series crimp terminal
- Output Voltage Available from 5VDC through 36VDC
- Single Output
- Input Surge Current, Over Voltage and Over Load Protection
- Size: 2"x4"
- Class I Insulation
- Internal EMI filter
- 3 year warranty

## 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.).

## 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
> NSP-MO30-102	5VDC	6.00A	5%	30W	UL/cUL, TUV-GS, CE, RoHS
> NSP-MO30-103	7VDC	4.28A	5%	30W	UL/cUL, TUV-GS, CE, RoHS
> NSP-MO30-104	9VDC	3.33A	5%	30W	UL/cUL, TUV-GS, CE, RoHS
> NSP-MO30-105	12VDC	2.50A	5%	30W	UL/cUL, TUV-GS, CE, RoHS
> NSP-MO30-106	15VDC	2.00A	5%	30W	UL/cUL, TUV-GS, CE, RoHS
> NSP-MO30-107	18VDC	1.66A	5%	30W	UL/cUL, TUV-GS, CE, RoHS
> NSP-MO30-108	24VDC	1.25A	5%	30W	UL/cUL, TUV-GS, CE, RoHS
> NSP-MO30-109	30VDC	1.00A	5%	30W	UL/cUL, TUV-GS, CE, RoHS
> NSP-MO30-110	36VDC	0.83A	3%	30W	UL/cUL, TUV-GS, CE, RoHS

### 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 09-50-3061 and Molex 2478 series crimp terminal.

