

## 12W Wall mount type switching power supplies for Medical Equipment

### DESCRIPTION

The NSP-MW12A series of AC/DC switching mode power supplies provide 12 watts of continuous output power.

This series is suitable for use in Blood Pressure measurements, Frequency Therapy Device and Dental Curing light applications.



### FEATURES

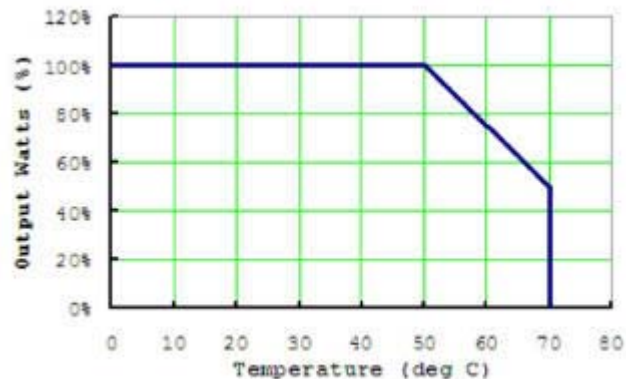
- Wide Input Voltage 90 to 264 VAC, 47 to 63 Hz
- 2 Prong Plug-In North America/Japan Connector
- Output Voltage Available from 5VDC through 27VDC
- Optional Output Connector
- Single Output
- Splash Proof
- Power Consumption (No Load) < 0.5W
- Class II Insulation (Double Insulation)
- 3 year warranty

### ELECTRICAL CHARACTERISTICS

- Efficiency: 85%max
- Line Regulation: 1% max.
- Load Regulation: 5% max.
- Hold-up Time: 16ms Typ.
- 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	Max. Output Power	Total Regulation	Safety
▶ NSP-MW12A-102	5~6VDC	2.00~1.66A	10W	5%	UL/c-UL, FCC, CB, TUV-GS, RoHS, Energy Star
▶ NSP-MW12A -103	6~8VDC	2.00~1.50A	12W	5%	UL/c-UL, FCC, CB, TUV-GS, RoHS, Energy Star
▶ NSP-MW12A -104	8~11VDC	1.50~1.09A	12W	5%	UL/c-UL, FCC, CB, TUV-GS, RoHS, Energy Star
▶ NSP-MW12A -105	11~13VDC	1.09~0.92A	12W	5%	UL/c-UL, FCC, CB, TUV-GS, RoHS, Energy Star
▶ NSP-MW12A -106	13~16VDC	0.92~0.75A	12W	5%	UL/c-UL, FCC, CB, TUV-GS, RoHS, Energy Star
▶ NSP-MW12A -107	16~21VDC	0.75~0.57A	12W	3%	UL/c-UL, FCC, CB, TUV-GS, RoHS, Energy Star
▶ NSP-MW12A -108	21~27VDC	0.57~0.44A	12W	3%	UL/c-UL, FCC, CB, TUV-GS, RoHS, Energy Star

### Mechanical Specifications:( USA Type)

**Note:**

1. Dimensions are shown in mm.
2. Weight: 130gs approx.
3. Optional output connector:  
See page Appendix.

