

## 15W Desktop type switching power supplies for Medical Equipment

### DESCRIPTION

The NSP-MDT15A series of AC/DC switching mode power supplies provide 15 Watts of continuous output power and is well-suited for a variety of applications. All supplies are UL 94V-1 min compliant. All model 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

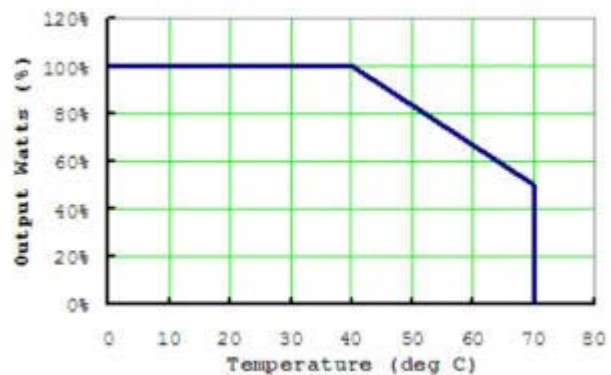
- Wide Input Voltage 90 to 264 VAC, 47 to 63 Hz
- IEC-320-C14 Input Inlet
- Output Voltage Available from 5VDC through 36VDC
- Optional Output Connector
- Single Output
- Splash Proof
- Class I Insulation
- CEC and Energy Star Compliance
- 3 year warranty

### 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.         | Adj. Output Voltage | Max. Output Current | Total Regulation | Max. Output Power | Safety                                    |
|-------------------|---------------------|---------------------|------------------|-------------------|---|
| > NSP-MDT15A-102  | 5 VDC               | 2.60 A              | 5%               | 13W               | UL/CUL, FCC, CB, TUV-GS, CEC, Energy Star |
| > NSP-MDT15A -103 | 7 VDC               | 1.85 A              | 5%               | 13W               | UL/CUL, FCC, CB, TUV-GS, CEC, Energy Star |
| > NSP-MDT15A -104 | 9 VDC               | 1.66 A              | 5%               | 15W               | UL/CUL, FCC, CB, TUV-GS, CEC, Energy Star |
| > NSP-MDT15A -105 | 12 VDC              | 1.25 A              | 5%               | 15W               | UL/CUL, FCC, CB, TUV-GS, CEC, Energy Star |
| > NSP-MDT15A -106 | 16 VDC              | 0.93 A              | 5%               | 15W               | UL/CUL, FCC, CB, TUV-GS, CEC, Energy Star |
| > NSP-MDT15A -107 | 18 VDC              | 0.83 A              | 5%               | 15W               | UL/CUL, FCC, CB, TUV-GS, CEC, Energy Star |
| > NSP-MDT15A -108 | 24 VDC              | 0.62 A              | 3%               | 15W               | UL/CUL, FCC, CB, TUV-GS, CEC, Energy Star |
| > NSP-MDT15A -109 | 30 VDC              | 0.50 A              | 3%               | 15W               | UL/CUL, FCC, CB, TUV-GS, CEC, Energy Star |
| > NSP-MDT15A -110 | 36 VDC              | 0.41 A              | 3%               | 15W               | UL/CUL, FCC, CB, TUV-GS, CEC, Energy Star |

## Mechanical Specifications :

