

- 15W Desktop type switching power supplies for Medical Equipment

DESCRIPTION

The NSP-MDT15B 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

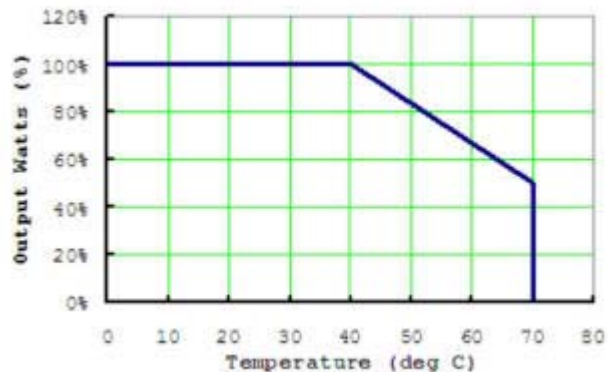
- Wide Input Voltage 90 to 264 VAC, 47 to 63 Hz
- IEC-320-C8 Input Inlet
- Output Voltage Available from 5VDC through 36VDC
- Optional Output Connector
- Single Output
- Splash Proof
- Class II Insulation (Double Insulation)
- CEC and Energy Star Compliance
- 3 year warranty

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-MDT15B-102	5 VDC	2.60 A	5%	13W	UL/CUL, FCC, CB, TUV-GS, CEC, Energy Star
> NSP-MDT15B-103	7 VDC	1.85 A	5%	13W	UL/CUL, FCC, CB, TUV-GS, CEC, Energy Star
> NSP-MDT15B-104	9 VDC	1.66 A	5%	15W	UL/CUL, FCC, CB, TUV-GS, CEC, Energy Star
> NSP-MDT15B-105	12 VDC	1.25 A	5%	15W	UL/CUL, FCC, CB, TUV-GS, CEC, Energy Star
> NSP-MDT15B-106	16 VDC	0.93 A	5%	15W	UL/CUL, FCC, CB, TUV-GS, CEC, Energy Star
> NSP-MDT15B-107	18 VDC	0.83 A	5%	15W	UL/CUL, FCC, CB, TUV-GS, CEC, Energy Star
> NSP-MDT15B-108	24 VDC	0.62 A	3%	15W	UL/CUL, FCC, CB, TUV-GS, CEC, Energy Star
> NSP-MDT15B-109	30 VDC	0.50 A	3%	15W	UL/CUL, FCC, CB, TUV-GS, CEC, Energy Star
> NSP-MDT15B-110	36 VDC	0.41 A	3%	15W	UL/CUL, FCC, CB, TUV-GS, CEC, Energy Star

Mechanical Specifications :

Note:

1. Dimensions are shown in mm.
2. Weight: 170gs approx.
3. Optional output connector: See page Appendix.

