

## 15W Wall mount type switching power supplies for I.T.E

### DESCRIPTION

The NSP-12A series of AC/DC switching mode power supplies provide 15 watts of continuous output power. All supplies are UL 94V-1 min compliant, include a 2 prong plug-in mains connector for certain applications. All models meet FCC Part-15 class B and are designed to comply with UL/c-UL (UL 60950) requirements. All units are 100% burned-in and tested.



### FEATURES

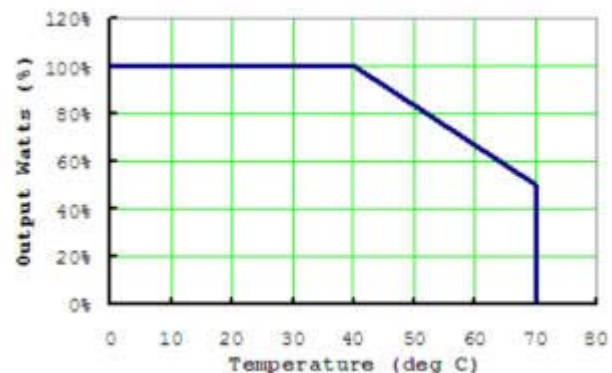
- Wide Input Voltage 90 to 264 VAC, 47 to 63 Hz
- 2 Prong Plug-In Mains Connector
- Output Voltage Available from 3VDC through 50VDC
- Optional Output Connector
- Single Output
- Splash Proof
- 2 year Warranty
- Class II Insulation (Double Insulation)

### ELECTRICAL CHARACTERISTICS

- Efficiency: 70%
- Line Regulation: 1% max.
- Load Regulation: 5% max.
- Hold-up Time: 5mS min.
- Output ripple and noise: 0.5% (Typ.).  
(The Ripple & Noise which is under 3.3VDC at 2% max)

### ENVIRONMENTAL

- Operating Temperature: 0 to 70°C
- De-rate linearly from 100% load at 40°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-12A-101	3~5VDC	3.30~2.00A	10W	7%	Intertek-GS, CE, RoHS, CB
▶ NSP-12A-102	5~6VDC	2.00~1.66A	10W	5%	Intertek-GS, CE, RoHS, CB
▶ NSP-12A-103	6~8VDC	1.66~1.25A	10W	5%	Intertek-GS, CE, RoHS, CB
▶ NSP-12A-104	8~11VDC	1.50~1.09A	12W	5%	Intertek-GS, CE, RoHS, CB
▶ NSP-12A-105	11~13VDC	1.36~1.15A	15W	5%	Intertek-GS, CE, RoHS, CB
▶ NSP-12A-106	13~16VDC	1.15~0.93A	15W	5%	Intertek-GS, CE, RoHS, CB
▶ NSP-12A-107	16~21VDC	0.93~0.71A	15W	3%	Intertek-GS, CE, RoHS, CB
▶ NSP-12A-108	21~27VDC	0.71~0.55A	15W	3%	Intertek-GS, CE, RoHS, CB
▶ NSP-12A-109	27~33VDC	0.59~0.48A	16W	3%	Intertek-GS, CE, RoHS, CB
▶ NSP-12A-110	33~40VDC	0.45~0.37A	15W	3%	Intertek-GS, CE, RoHS, CB
▶ NSP-12A-111	40~50VDC	0.37~0.30A	15W	3%	Intertek-GS, CE, RoHS, CB

### Mechanical Specifications:( USA Type)

**Note:**

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

