

30W Open frame type switching power supplies for I.T.E

DESCRIPTION ►

The NSP30 series of products, open frame constructed, AC/DC switching mode power supplies provide 30 watts of continuous output power. They are ideally suited for use in variety of I.T.E. applications. All models meet CISPR-22 class B emission limits and are designed to comply with new CE requirements. All units are 100% burned in and tested.



FEATURES ►

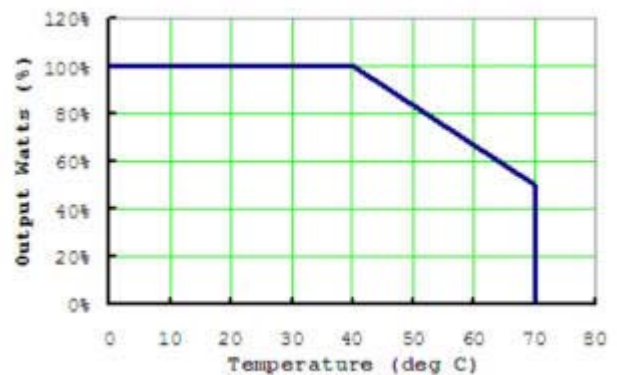
- Wide Input Voltage 90 to 264 VAC, 47 to 63 Hz
- Input connector mates with Molex housing 09-50-3031 and Molex 2478 series crimp terminal
- Output connector mates with Lead wire
- Output Voltage Available from 3VDC through 50VDC
- Single to Dual Output
- Input Surge Current, Over Voltage and Over Load Protection

ELECTRICAL CHARACTERISTICS ►

- Efficiency: 70% min.
- Line Regulation: 1% max.
- Load Regulation: 5% max.
- Hold-up Time: 10mS min.
- Output ripple and noise: 1% max.

ENVIRONMENTAL ►

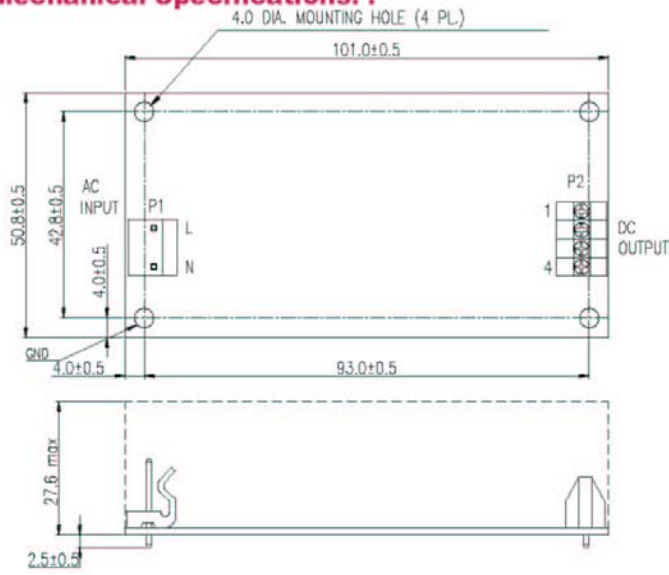
- Operating Temperature: 0 to 70°C
- De-rate linearly from 100% load at 40°C to 50% load at 70°C
- Storage Temperature: -40 to 85°C
- Relative Humidity: 5 to 95%
- MTBF: 100,000 calculated hours.



OUTPUT VOLTAGE AND CURRENT RANGE ►

Model No.	Output Voltage	Max. Output Current	Total Regulation	Max. Output Power	Safety
▶ NSP30-101	3~5VDC	5.00~3.00A	7%	15W	CE, RoHS
▶ NSP30-102	5~6VDC	4.00~3.33A	5%	20W	CE, RoHS
▶ NSP30-103	6~8VDC	4.00~3.00A	5%	24W	CE, RoHS
▶ NSP30-104	8~11VDC	3.75~2.72A	5%	30W	CE, RoHS
▶ NSP30-105	11~13VDC	2.72~2.30A	5%	30W	CE, RoHS
▶ NSP30-106	13~16VDC	2.30~1.87A	5%	30W	CE, RoHS
▶ NSP30-107	16~21VDC	1.87~1.42A	3%	30W	CE, RoHS
▶ NSP30-108	21~27VDC	1.42~1.11A	2%	30W	CE, RoHS
▶ NSP30-109	27~33VDC	1.11~0.90A	2%	30W	CE, RoHS
▶ NSP30-110	33~40VDC	0.90~0.75A	2%	30W	CE, RoHS
▶ NSP30-111	40~50VDC	0.75~0.60A	2%	30W	CE, RoHS
▶ NSP30-200	+3.3VDC +12.0VDC	3.00A 1.25A	5% 10%	24.9W	CE, RoHS
▶ NSP30-201	+5.0VDC +12.0VDC	3.00A 1.25A	5% 10%	30W	CE, RoHS
▶ NSP30-202	+5.0VDC +15.0VDC	3.00A 1.00A	5% 10%	30W	CE, RoHS
▶ NSP30-203	+5.0VDC +24.0VDC	3.00A 0.62A	5% 10%	30W	CE, RoHS
▶ NSP30-204	+3.3VDC +5.0VDC	3.00A 1.50A	5% 10%	17.4W	CE, RoHS
▶ NSP30-205	+5.0VDC +36.0VDC	3.00A 0.42A	5% 10%	30.12W	CE, RoHS
▶ NSP30-208	+9.0VDC -9.0VDC	2.00A 1.33A	5% 10%	30W	CE, RoHS
▶ NSP30-209	+12.0VDC -12.0VDC	2.00A 0.50A	5% 10%	30W	CE, RoHS

Mechanical Specifications :



Note:

1. Dimensions are shown in mm.
2. Weight: 140gs approx.
3. Input connector mates with Molex housing 09-50-3031 and Molex 2478 series crimp terminal
4. Output connector mates with Lead wire