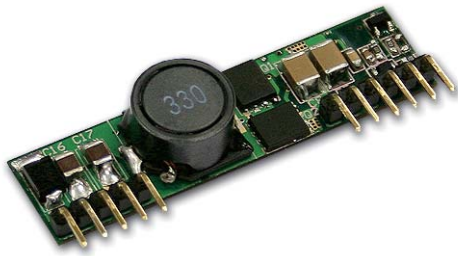




**THE DATASHEET OF
NID30S24-15**





■ Features :

- Economical open frame design
- Wide input range
- High efficiency up to 96%
- Built-in remote ON / OFF control
- Compact size 2.0"x0.512"x 0.421"(SIP package)
- Cooling by free air convection
- Protections: Short circuit / Overload / Over voltage
- 100% burn-in test
- Low cost / High reliability
- 2 years warranty



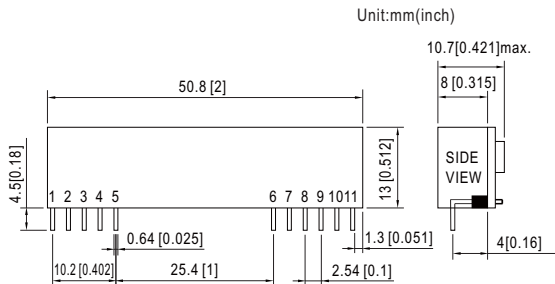
SPECIFICATION

| ORDER NO. | NID30S24-05 | | NID30S24-12 | | NID30S24-15 | | NID30S48-24 | | | |
|-------------|----------------------------------|--|-----------------------|--|-------------|------------------|-------------|------------|-------|--|
| OUTPUT | DC VOLTAGE | 5V | | 12V | | 15V | | 24V | | |
| | CURRENT RANGE | 0 ~ 2.5A | | 0 ~ 2.5A | | 0 ~ 2A | | 0 ~ 1.25A | | |
| | RATED POWER | 12.5W | | 30W | | 30W | | 30W | | |
| | RIPPLE & NOISE (max.) Note.2 | 100mVp-p | | 120mVp-p | | 150mVp-p | | 200mVp-p | | |
| | LINE REGULATION Note.3 | ±0.5% | | | | | | | | |
| | LOAD REGULATION Note.4 | ±0.5% | | | | | | | | |
| | VOLTAGE ACCURACY | ±2.0% | | | | | | | | |
| | SWITCHING FREQUENCY (Typ.) | 250KHz | | | | | | | | |
| INPUT | EXTERNAL CAPACITANCE LOAD (max.) | 100uF / 25V low ESR | | 68uf/16V low ESR | | 47uf/50V low ESR | | | | |
| | VOLTAGE RANGE | 20 ~ 53VDC | | 20 ~ 53VDC | | 20 ~ 53VDC | | 30 ~ 53VDC | | |
| | NORMAL VOLTAGE | 24VDC (or 48VDC) | | 24VDC (or 48VDC) | | 24VDC (or 48VDC) | | 48VDC | | |
| | EFFICIENCY (Typ.) | 91% | | 95% | | 96% | | 93% | | |
| | DC CURRENT | Full load | 590mA | | 1310mA | | 1320mA | | 700mA | |
| | | No load | 20mA | | 30mA | | 30mA | | 50mA | |
| PROTECTION | | | Fuse recommended (3A) | | | | | | | |
| PROTECTION | OVERLOAD (Typ.) | 120 ~ 300% rated output power | | Protection type : Hiccup mode, recovers automatically after fault condition is removed | | | | | | |
| | SHORT CIRCUIT | All output equipped with short circuit | | Protection type : Hiccup mode, recovers automatically after fault condition is removed | | | | | | |
| | OVER VOLTAGE | Protection type : Shut off o/p voltage, clamp by TVS diode | | | | | | | | |
| ENVIRONMENT | SAFETY STANDARDS | EAC TP TC 004 approved | | | | | | | | |
| | WORKING TEMP. | -25 ~ +65°C (Refer to "Derating Curve") | | | | | | | | |
| | WORKING HUMIDITY | 20% ~ 85% RH non-condensing | | | | | | | | |
| | STORAGE TEMP., HUMIDITY | -25 ~ +105°C, 10 ~ 85% RH | | | | | | | | |
| | TEMP. COEFFICIENT | ±0.03% / °C (0 ~ 50°C) | | | | | | | | |
| OTHERS | VIBRATION | 10 ~ 500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes | | | | | | | | |
| | REMOTE CONTROL | Power on : 3.3VDC < R.C ~ com < 12VDC or open circuit ; power off : R.C ~ com < 0.4VDC or short circuit (PIN5,6 & PIN11) | | | | | | | | |
| | DIMENSION | 50.8*13*10.7mm or 2.0**0.512**0.421" inch (L*W*H) | | | | | | | | |
| WEIGHT | 8g | | | | | | | | | |

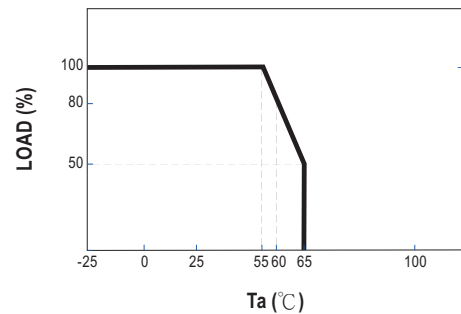
■ Mechanical Specification

■ Pin Configuration

■ Derating Curve



| Pin No. | Output |
|------------|--------|
| 1, 2, 3, 4 | +Vout |
| 5, 6 | Com |
| 7, 8 | +Vin |
| 9, 10 | N.C. |
| 11 | R.C. |



NOTE

- 1.All parameters are specified at normal input, rated load, 25°C 70% RH Ambient.
 - 2.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor.
 - 3.Line regulation is measured from low line to high line at rated load.
 - 4.Load regulation is measured from 10% to 100% rated load.
- ※ Product Liability Disclaimer : For detailed information, please refer to <https://www.meanwell.com/serviceDisclaimer.aspx>

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- [View NID30S24-15 on WIN SOURCE](#)
- [Mean Well Enterprises Co., Ltd. Information](#)

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- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management