

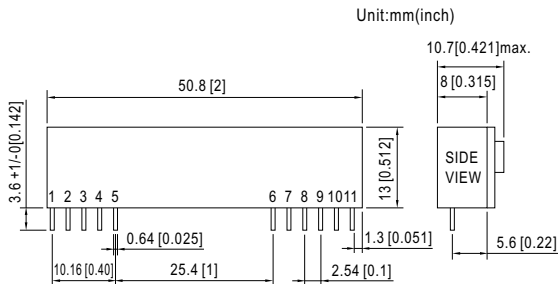
■ Features :

- 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								
EXTERNAL CAPACITANCE Note.5	100uF / 25V low ESR									
INPUT	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%		96%		96%		93%		
	DC CURRENT	Full load	590mA		1310mA		1320mA		700mA	
		No load	20mA		30mA		30mA		50mA	
	PROTECTION	Fuse recommended (3A)								
EXTERNAL CAPACITANCE Note.5	22uF / 100V low ESR									
PROTECTION	OVERLOAD (Typ.)	120 ~ 220% 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	WORKING TEMP.	-25 ~ +65°C (Refer to output load 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)								
	VIBRATION	10 ~ 500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes								
OTHERS	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								

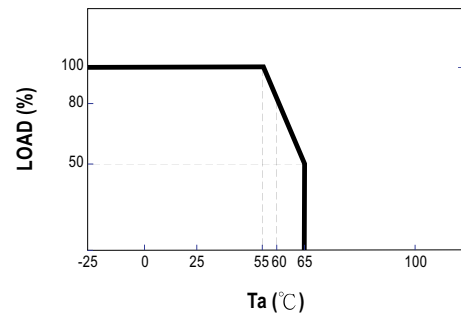
■ Mechanical Specification



■ Pin Configuration

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

■ Derating Curve



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.
5. The input terminal recommend to parallel with 22uF/100V capacitor and output terminal recommend to parallel with 100uF/25V capacitor.