



■ Features :

- Wide 4:1 DC input range
- Protections: Short circuit / Overload / Over voltage
- 1000VDC I/O isolation
- Built-in EMI filter
- Cooling by free air convection
- Built-in remote ON-OFF control
- 100% full load burn-in test
- · Lost cost
- High reliability
- 2 years warranty



SPECIFICATION

MODEL		NSD10-12D5		NSD10-12D12		NSD10-12D15		NSD10-48D5		NSD10-48D12		NSD10-48D15			
	DC VOLTAGE	5V	-5V	12V	-12V	15V	-15V	5V	-5V	12V	-12V	15V	-15V		
OUTPUT	RATED CURRENT	1A	1A	0.42A	0.42A	0.33A	0.33A	1A	1A	0.42A	0.42A	0.33A	0.33A		
	CURRENT RANGE	0.05 ~ 1A	0.05 ~ 1A	0.02 ~ 0.42A	0.02 ~ 0.42A	0.016 ~ 0.33A	0.016 ~ 0.33A	0.05 ~ 1A	0.05 ~ 1A	0.02 ~ 0.42A	0.02 ~ 0.42A	0.016 ~ 0.33A	0.016 ~ 0.3		
	RATED POWER	10W		10.08W		9.9W		10W		10.08W		9.9W			
	CAPACITIVE LOAD (max.)	±1000uF													
	RIPPLE & NOISE (max.) Note.2	75mVp-p(10% ~ 100	% load)											
	VOLTAGE TOLERANCE Note.3	±4.0%		±2.5%		±2.5%		±3.0%		±2.5%		±2.5%			
	LINE REGULATION	±1.0%													
	LOAD REGULATION	±3.0%		±2.0%		±1.0%		±2.0%		±2.0%		±1.0%			
	SETUP TIME	100ms/RATED DC IN		NPUT at full Load								-			
INPUT	RATED DC INPUT	12VDC						48VDC							
	VOLTAGE RANGE	9.8 ~ 36VDC						22 ~ 72VDC							
	EFFICIENCY (Typ.)	76%		77%		77%		78%		77%		77%			
	DC CURRENT	1.4A/12VI	DC	'				0.4A/48VE	OC						
	SHUTDOWN IDLE CURRENT	20mA/12VDC													
PROTECTION		Above 105% rated output power													
	OVERLOAD	Protection	Protection type: Over power limiting, recovers automatically after fault condition is removed												
	OVER VOLTAGE(CLAMP)	5.75 ~ 7.5V -5.75 ~ -7.5V 13.8 ~ 18V -13.8 ~ -18V 17.3 ~ 22.5V -17.3 ~ -22.5V 5.75 ~ 7.5V -5.75 ~ -7.5V 13.8 ~ 18V -13.8 ~ 1						-13.8 ~ -18V	17.3 ~ 22.5V	-17.3 ~ -22					
	SHORT CIRCUIT Note.4	Recovers automatically after fault condition is removed													
FUNCTION	ON/OFF CONTROL	Logic "1" OPEN: ON logic "0" GND: OFF													
ENVIRONMENT	WORKING TEMP.	-25 ~ +70°C													
	WORKING HUMIDITY	0% ~ 95% RH max.													
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 0 ~ 95% RH													
	TEMP. COEFFICIENT	±0.03%/	±0.03%/C (0~60°C)												
	SAFETY STANDARDS	UL62368-1, EAC TP TC 004 approved, Design refer to TUV EN62368-1													
SAFETY &	ISOLATION VOLTAGE	I/P-O/P:1KVDC													
EMC	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH													
(Note 5)	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EAC TP TC 020													
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,6,8; EN55024, light industry level, criteria A, EAC TP TC 020													
OTHERS	MTBF	1878.5K hrs min. MIL-HDBK-217F (25°C)													
	DIMENSION	50.8*25.4*10mm (2"*1"*0.394") (L*W*H)													
	PACKING	0.02Kg; 300pcs/7Kg/0.97CUFT													
NOTE	1. All parameters NOT special 2. Ripple & noise are measure 3. Tolerance : includes set up 4. Short circuit not more than 6 5. The power supply is consided a 230mm*230mm metal plate perform these EMC tests, p 6. To insure proper operation, 7. EMC filter suggestion: **BOUH** **BOU	ed at 20MH tolerance, 60 seconds ered a com te with 1m lease refer	Iz of bandw line regulat s. nponent wh m of thickn to "EMI te:	vidth by using ion and load ion will be interested in the state of the	ng a 12" twad regulation installed in and equipment ponent	visted pair-von. to a final echent must bower suppli	wire termin quipment. A e re-confirr es."	ated with a All the EMC med that it s	0.1uf & 47	⁷ uf parallel been exec	uted by mo	ounting the juidance or	unit on 1 how to		

8. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).

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