



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

₽ Us €

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
ОИТРИТ	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 ~ 0.33/
	RATED POWER	10W											
	CAPACITIVE LOAD (max.)	±1000uF											
	RIPPLE & NOISE (max.) Note.2	75mVp-p(10% ~ 100% load)											
	VOLTAGE TOLERANCE Note.3	±4.0%		±2.0%		±2.0%		±3.0%		±2.0%		±2.0%	
	LINE REGULATION	±1.0%											
	LOAD REGULATION	±3.0%		±2.0%		±1.0%		±2.0%		±2.0%		±1.0%	
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/12VDC						0.4A/48VDC					
	SHUTDOWN IDLE CURRENT	20mA/12VDC											
PROTECTION	AV=D: 0.1D	Above 105% rated output power											
	OVERLOAD	Protection	on 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 ~ -18V 17.3 ~ 22.5V								-17.3 ~ -22.5\			
	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℃											
	WORKING HUMIDITY	0% ~ 95% RH max.											
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 0 ~ 95% RH											
	TEMP. COEFFICIENT	±0.03%/°C (0~60°C)											
	SAFETY STANDARDS		UL60950-1 approved, Design refer to TUV EN60950-1										
SAFETY &	ISOLATION VOLTAGE	I/P-0/P:1KVDC											
EMC (Note 5)	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH											
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B											
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,6,8; EN55024, light industry level, criteria A											
OTHERS	MTBF	1878.5K hrs min. MIL-HDBK-217F (25°C)											
	DIMENSION	50.8*25.4*10mm (2"*1"*0.394") (L*W*H)											
	1 All parameters NOT specia	0.02Kg; 300pcs/7Kg/0.97CUFT Ily mentioned are measured at 12, 48VDC input, rated load and 25°C of ambient temperature.											
NOTE	 All parameters NOT specially mentioned are measured at 12, 487DC input, rated load and 25 C of ambient temperature. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 of & 47 of parallel capacitor. 												
	3. Tolerance : includes set up tolerance, line regulation and load regulation.												
		4. Short circuit not more than 60 seconds.5. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets											
	EMC directives.												
	6. To insure proper operation, a 220uF/100V electrolytic capacitor with Esr <1 Ω must be added to the input line.7. EMC filter suggestion:												
	80uH + ••••••••••••••••••••••••••••••••••••	~	+										
	Vin 680uF + PSU		Vo										
	_ 		=										



