



## ■ Features :

- Wide 4:1 DC input range
- Protections: Short circuit / Overload / Over voltage
- 1500VDC I/O isolation
- Built-in EMI filter
- Cooling by free air convection
- Output voltage trimming function
- Built-in remote ON-OFF control
- 100% full load burn-in test
- Lost cost
- High reliability
- 2 years warranty

MODEL		NSD15-12D5		NSD15-12D12		NSD15-12D15		NSD15-48D5		NSD15-48D12		NSD15-48D15	
	DC VOLTAGE	5V	-5V	12V	-12V	15V	-15V	5V	-5V	12V	-12V	15V	-15V
ОИТРИТ	RATED CURRENT	1.5A	1.5A	0.62A	0.62A	0.5A	0.5A	1.5A	1.5A	0.62A	0.62A	0.5A	0.5A
	CURRENT RANGE	0.07 ~ 1.5A	0.07 ~ 1.5A	0.03 ~ 0.62A	0.03 ~ 0.62A	0.02 ~ 0.5A	0.02 ~ 0.5A	0.07 ~ 1.5A	0.07 ~ 1.5A	0.03 ~ 0.62A	0.03 ~ 0.62A	0.02 ~ 0.5A	0.02 ~ 0.5
	RATED POWER	15W		14.88W		15W		15W		14.88W		15W	
	CAPACITIVE LOAD (max.)	±1000uF						<u>'</u>				<u>'</u>	
	RIPPLE & NOISE (max.) Note.2	100mVp-p(25% ~ 100% load)											
	VOLTAGE TOLERANCE Note.3	±3.0%		±2.5%		±2.5%		±3.0%		±2.5%		±2.5%	
	LINE REGULATION	±1.0% at	10% ~ 100	% load									
	LOAD REGULATION	±2.0%		±1.0%		±1.0%		±2.0%		±1.0%		±1.0%	
	TRIM OUTPUT (Typ.)	±5.0%		±5.0%		±3.0%		±5.0%		±5.0%		±3.0%	
INPUT	RATED DC INPUT	12VDC					48VDC						
	VOLTAGE RANGE Note.6	9.4 ~ 36VI	OC					18 ~ 72VDC					
	EFFICIENCY (Typ.)	76%		80%		80%		80%		84%		84%	
	DC CURRENT	1.8A/12VI	OC .				0.4A/48VDC						
	SHUTDOWN IDLE CURRENT	20mA	20mA										
PROTECTION		Above 105% rated output power											
	OVERLOAD	Protection type: Over power limiting, recovers automatically after fault condition is removed											
	OVER VOLTAGE(CLAMP)	7.25~9V   -7.25~-9V   13.8~18V   -13.8~-18V   17.3~22.5V   -17.3~22.5V   7.25~9V   -7.25~-9V   13.8~18V   -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" or open circuit : ON Logic "0" or short to PIN2 : OFF											
ENVIRONMENT	WORKING TEMP.	-25 ~ +70 °C											
	WORKING HUMIDITY	0% ~ 95% RH max.											
	STORAGE TEMP., HUMIDITY	-40 ~ +85℃, 0 ~ 95% RH											
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)											
	SAFETY STANDARDS	UL60950-1 approved, Design refer to TUV EN60950-1											
SAFETY &	ISOLATION VOLTAGE	I/P-O/P:1.5KVDC											
EMC (Note 5)	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH											
	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B											
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,6,8; EN55024, light industry level, criteria A											
OTHERS	MTBF	1673.1K hrs min. MIL-HDBK-217F (25°C)											
	DIMENSION	50.8*38.1*9.82mm (2"*1.5"*0.387") (L*W*H)											
	PACKING	0.03Kg; 180pcs/6.4Kg/0.97CUFT											
NOTE	All parameters NOT specially Bipple & noise are measured Tolerance: includes set up t Short circuit no more than 60 The power supply is conside EMC directives. For guidanc (as available on http://www.n Derating to 80% load is need EMC filter suggestion:	d at 20MHz olerance, lir o seconds. red a comp e on how to neanwell.co ded for NSI	of bandwing regulation onent which perform them)	oth by using n and load th will be in: nese EMC	g a 12" twis regulation. stalled into tests, pleas	a final equi e refer to "l	e terminate pment. The EMI testing	e final equiprof compone	Tuf & 47uf ment must ent power s	parallel cap be re-confii supplies."	med that it		an 20Vda



