

**SPECIFICATION** 

### 15W DC-DC Regulated Dual Output

# NSD15-D series



#### ■ 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	±1000uF										
	RIPPLE & NOISE (max.) Note.2	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% a	t 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%	
	SETUP TIME	100ms/R	ATED DC II	NPUT at full Load									
INPUT	RATED DC INPUT	12VDC						48VDC					
	VOLTAGE RANGE Note.6	9.4 ~ 36V	DC				18 ~ 72VDC						
	EFFICIENCY (Typ.)	76%		80%		80%		80%		84%		84%	
	DC CURRENT	1.8A/12V	DC					0.4A/48VDC					
	SHUTDOWN IDLE CURRENT	20mA	20mA										
PROTECTION	OVERLOAD	Above 105% rated output power											
		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 ~ -22.5
	SHORT CIRCUIT Note.4	Recovers	Recovers automatically after fault condition is removed									1	
FUNCTION	ON/OFF CONTROL	Logic "1"	or open circ	uit : ON	Logic "0	or short to	PIN2 : OF	F					
ENVIRONMENT	WORKING TEMP.	-25 ~ +70°C											
	WORKING HUMIDITY	0% ~ 95% RH max.											
	STORAGE TEMP., HUMIDITY	-40 ~ +85	-40 ~ +85°C, 0 ~ 95% RH										
	TEMP. COEFFICIENT	±0.03%	±0.03%/°C (0~50°C)										
SAFETY & EMC (Note 5)	SAFETY STANDARDS	UL60950	UL60950-1 approved, Design refer to TUV EN60950-1										
	ISOLATION VOLTAGE	I/P-O/P:1	I/P-O/P:1.5KVDC										
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH											
	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B											
	EMC IMMUNITY	Compliar	Compliance to EN61000-4-2,3,4,6,8; EN55024, light industry level, criteria A										
OTHERS	MTBF	1673.1K	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     Ripple & noise are measured     Tolerance: includes set up t     Short circuit no more than 60     The power supply is conside     a 230mm*230mm metal plat     perform these EMC tests, ple     Derating to 80% load is need     EMC filter suggestion:	d at 20MHz olerance, lind o seconds. ared a comple with 1 mm ease refer to	z of bandwid ne regulation conent whic n of thickne to "EMI testi	of the by using an and load the will be insense. The finating of comp	g a 12" twis regulation. stalled into a d equipment ponent pow	ted pair-wing a final equiput must be rer supplies.	e terminate oment. All the e-confirmed ' (as availal	d with a 0.1  he EMC test that it still ble on http:/	uf & 47uf p sts are beer meets EMC //www.mear	n executed directives. nwell.com)	by mountir . For guidar	nce on how	v to

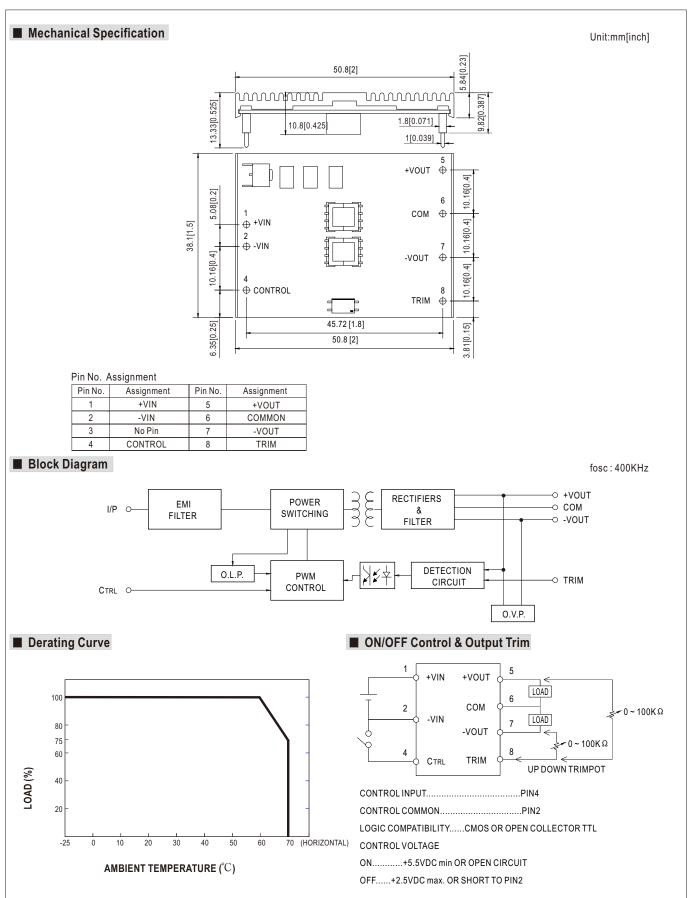


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