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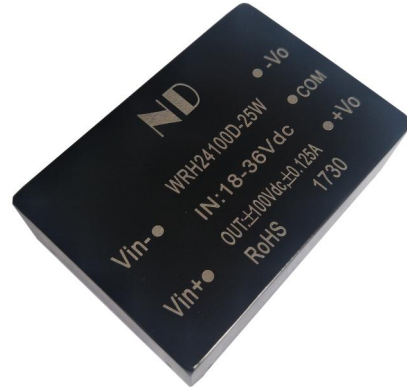
WRH_S(D)-25W

PRODUCT SPECIFICATION

15-30W, WIDE INPUT,
ISOLATED & REGULATED
DUAL(SINGLE) OUTPUT
DC/DC CONVERTER

● FEATURES

- Size: 72.0mm*50.0mm*24.0mm
- International standard pin-out
- Wide input voltage range
- Low ripple & noise
- Short circuit protection
- ROHS compliant
- Isolation voltage: 1500VDC
- Operating temperature range: -40°C ~ +85°C
- 3 years warranty



● DESCRIPTION

This is a DC/DC converter specifically designed for applications where input voltage is low and output voltage is high. It is widely used in communications equipment, power system, instrumentation, industrial control, intelligent equipment, and etc.

● PRODUCT LIST

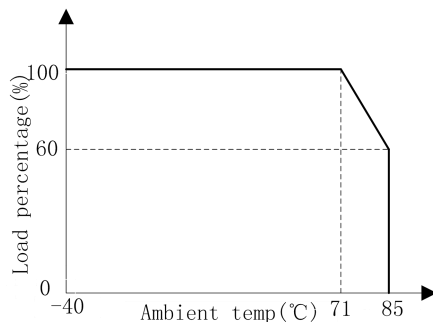
Product Name	Input Voltage / VDC		Output		EFF/% (TYP.)
	Norminal	Range	Voltage /VDC	Current/mA Max. /Min.	
WRH12100S-20W	12	10~18	100	200	82
WRH12200S-20W			200	100	82
WRH12300S-20W			300	67	81
WRH12400S-20W			400	50	80
WRH12100D-20W			±100	±100	82
WRH12150D-20W			±150	±67	81
WRH12200D-20W			±200	±50	80
WRH24100S-25W	24	20~36	100	250	84
WRH24200S-25W			200	125	84
WRH24300S-25W			300	83	83
WRH24400S-25W			400	63	82
WRH24100D-25W			±100	±125	84
WRH24150D-25W			±150	±83	83
WRH24200D-25W			±200	±63	82
WRH48100S-30W	48	40~72	100	300	86
WRH48200S-30W			200	150	86
WRH48300S-30W			300	100	85
WRH48400S-30W			400	75	84
WRH48100D-30W			±100	±150	86
WRH48150D-30W			±150	±100	85
WRH48200D-30W			±200	±75	84
WRH24500S-20W	24	20~36	500	40	82

WRH24600S-20W			600	33	81
WRH24800S-20W			800	25	80
WRH241000S-15W			1000	15	79
WRH241200S-15W			1200	13	78
WRH241500S-15W			1500	10	76
WRH48500S-25W	48	40~72	500	50	83
WRH48600S-25W			600	42	82
WRH48800S-25W			800	31	81
WRH481000S-20W			1000	20	80
WRH481200S-20W			1200	17	79
WRH481500S-20W			1500	13	77

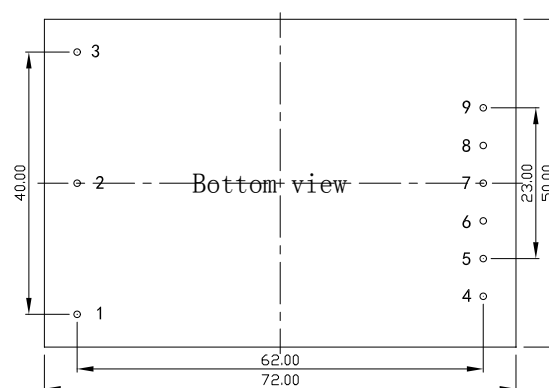
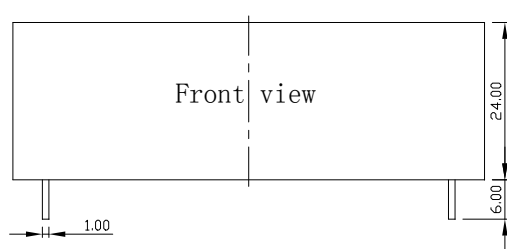
● **PRODUCT PARAMETERS**

Parameter	Conditions / Description	Min	Nom	Max	Unit
Voltage accuracy	10%~100%Io	-	±2	±5	%
Load regulation	10%~100%Io	-	±0.5	±1	%
Line regulation	100%Io, input votagel range	-	±0.2	±0.5	%
Ripple & Noise	20MHz BW	-	±1	-	%Vo
Switching frequency	Nominal input voltage, 100%Io	-	125	-	kHz
SCP	Short circuit protection	Continuous, self-recovery			
Temperature coefficient	Nominal input voltage, 100%Io	-	0.02	-	%/°C
Operating temperature		-40	-	+85	°C
Storage temperature		-40	-	+125	°C
Storage humidity	No condensing	-	-	95	%RH
Cooling method		Natural air cooling			
Insulation voltage		1500	-	-	VDC
Insulation resistance	Input-output, 500VDC, 25°C, 70%RH	1000	-	-	MOhms
MTBF	MIL-HDBK-217F@25°C	100	-	-	KHours
Case material		aluminum			
Weight		-	120	-	g

● DERATING CURVE



● DIMENSIONS AND PIN ASSIGNMENT



PIN	1	2	3	4	5	6	7	8	9
XXS_XX	NO PIN	-Vin	+Vin	NO PIN	-Vo	NO PIN	NO PIN	NO PIN	+Vo
XXD_XX	NO PIN	-Vin	+Vin	NO PIN	-Vo	NO PIN	COM	NO PIN	+Vo

Unit: mm
 Pin diameter tolerance: ± 0.10
 Pin length tolerance: ± 2.00
 General tolerance: ± 0.50

● NOTES

1. Unless otherwise specified, data in this specification is tested with nominal input voltage, rated output load, and $T_a=25^\circ\text{C}$, humidity<75%RH.
2. All data testing methods are based on Guangzhou NengDa company standards.
3. Specification of the product may be subject to change without prior notice.
4. All right reserved by Guangzhou NengDa Power Supply Technology Co., Ltd.