

<b>NDDY</b>	<b>NA36-V2SXX</b>	<b>36W, SMALL SIZE SINGLE OUTPUT AC/DC CONVERTER</b>
	<b>PRODUCT SPECIFICATION</b>	

● **FEATURES**

- Wide input: 85-264VAC or 100-370VDC
- Isolated-regulated single(dual) output
- Output over load protection
- Compact size: 80mm×55mm×28.5mm
- Industrial-grade design
- ROHS compliant
- 3 years warranty



● **DESCRIPTION**

This is a 36W compact and efficient series of AC-DC power supplies suited for industrial, electric power, instrumentation, smart home applications, and etc.

● **PRODUCT LIST**

Product Name	Output Number	Output Voltage and Current		EFF(TYP.)
		Vo1/Io1	Vo2/Io2	
NA36-V2S12	Single-Output	12V/3000mA	-	83%
NA36-V2S15		15V/2400mA	-	84%
NA36-V2S24		24V/1500mA	-	86%

● **INPUT SPECIFICATIONS**

Parameter	Conditions / Description	Min	Nom	Max	Unit
Input Voltage	AC input	85	220	264	VAC
	DC input	100	310	370	VDC
Frenquency		47	-	63	Hz
Input Current	115VAC	-	-	0.8	A
	230VAC	-	-	0.4	

● **OUTPUT SPECIFICATIONS**

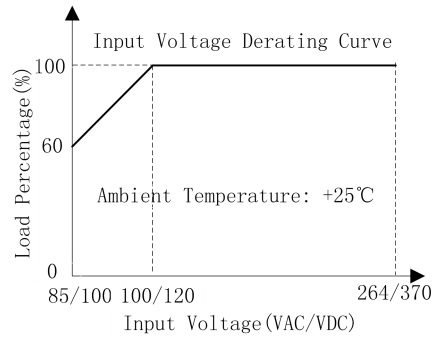
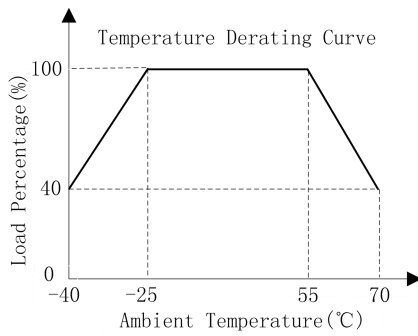
Parameter	Conditions / Description	Min	Nom	Max	Unit
Voltage accuracy	Vo1	-	±2	-	%
Load regulation	Vo1, 10%-100%Load	-	±1	-	
Line regulation	Vo1, 10%-100%Load	-	±0.5	-	
Ripple & Noise	20MHz BW	-	120	-	mV
OCP	Over current protection	≥110%Io, self-recovery			
SCP	Short circuit protection	Continuous, self-recovery			
Hold-up time	230VAC, 100%Load	20	-	-	ms

● **GENERAL SPECIFICATIONS**

Parameter	Conditions / Description	Min	Nom	Max	Unit
Operating temperature		-40	-	+70	℃
Storage temperature		-40	-	+105	℃
Storage humidity	No condensing	-	-	95	%RH
Insulation voltage		2000	-	-	VAC
Cooling method		Natural air cooling			

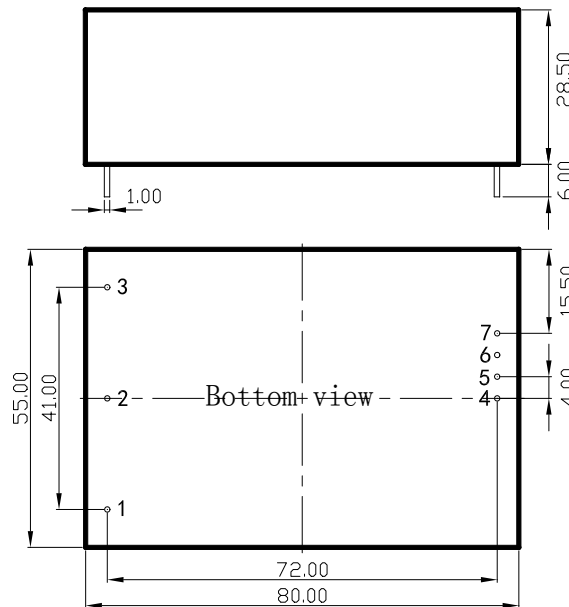
MTBF	MIL-HDBK-217F@25°C	215000	-	-	hrs
Weight		-	120	-	g

● **PRODUCT CHARACTERISTIC CURVE**



Note: Input voltage should be derated based on temperature derating if input voltage is less than 100VAC/120VDC.

● **DIMENSIONS AND PIN ASSIGNMENT**



Pin	1	2	3	4	5	6	7
Function	FG	N	L	-Vo	-Vo	+Vo	+Vo

Unit: mm  
Pin diameter tolerance:  $\pm 0.10$   
Pin length tolerance:  $\pm 2.00$   
General tolerance:  $\pm 0.50$

● **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.
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