

<b>NDDY</b>	NA05-T2SXX-V	5W, ULTRA SMALL
	PRODUCT SPECIFICATION	AC/DC CONVERTER

● **FEATURES**

- Wide input: 85-264VAC or 100-370VDC
- Isolated-regulated single output
- Output over load protection
- Compact size
- Industrial-grade design
- ROHS compliant
- 3 years warranty



● **DESCRIPTION**

This is a 3W compact and efficient series of AC-DC power supplies suited for industrial, electric power, instrumentation, smart home applications, and etc.

● **PRODUCT LIST**

Product Name	Size	Output	EFF (TYP. )
NA05-T2S05-V	39.5mm×26.0mm×22.0mm	5V/1000mA	74%
NA05-T2S09-V		9V/550mA	79%
NA05-T2S12-V		12V/420mA	82%
NA05-T2S15-V		15V/330mA	83%
NA05-T2S24-V		24V/210mA	84%

● **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	-	-	0.13	A
	230VAC	-	-	0.08	

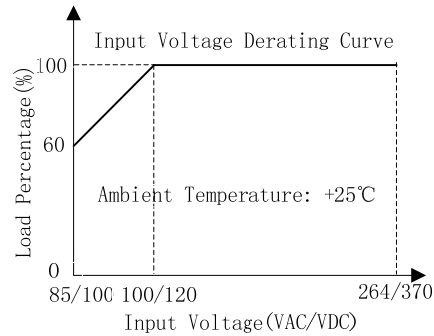
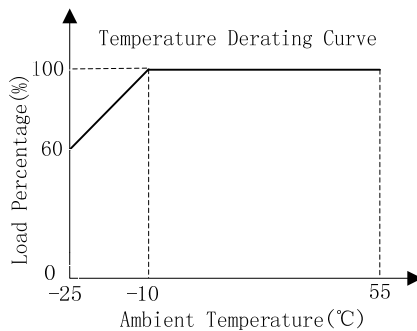
● **OUTPUT SPECIFICATIONS**

Parameter	Conditions / Description	Min	Nom	Max	Unit
Voltage accuracy		-	±3	-	%
Load regulation	10%-100%Load	-	±2	-	
Line regulation		-	±2	-	
Ripple & Noise	20MHz BW	-	100	-	mV
OCP	Over current protection	≥110%Io, self-recovery			
SCP	Short circuit protection	Continuous, self-recovery			

## ● GENERAL SPECIFICATIONS

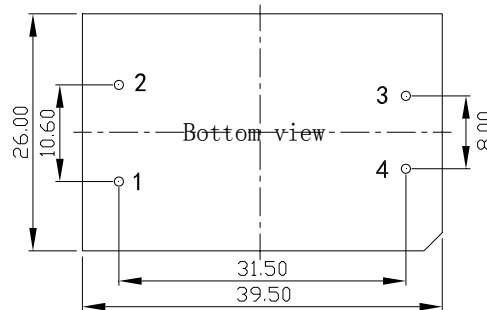
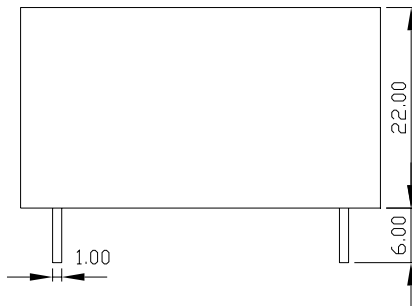
Parameter	Conditions / Description	Min	Nom	Max	Unit
Operating temperature		-25	-	+55	°C
Storage temperature		-40	-	+85	°C
Storage humidity	No condensing	-	-	95	%RH
Insulation voltage		1500	-	-	VAC
Cooling method		Natural air cooling			
MTBF	MIL-HDBK-217F@25°C	215000	-	-	hrs
Weight		-	27	-	g

## ● 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
Function	AC (N)	AC (L)	+Vo	-Vo

Unit: mm  
 Pin diameter tolerance:  $\pm 0.1$   
 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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