

<b>NDDY</b>	<b>NH(L) 05-T2SXX</b>	<b>5W, ULTRA SMALL</b>
	<b>PRODUCT SPECIFICATION</b>	<b>AC/DC CONVERTER</b>

● **FEATURES**

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

● **DESCRIPTION**

This is a 5W (peak) compact and efficient series of AC-DC power supplies suited for industrial, electric power, instrumentation, smart home applications.

● **PRODUCT LIST**

Product Name	Size	Output	EFF (TYP.)
NH05-T2S05	26.0mm × 14.0mm × 24.0mm	5V/1000mA	68%
NH05-T2S12		12V/416mA	71%
NH05-T2S24		24V/208mA	75%
NL05-T2S05	26.0mm × 24.0mm × 14.0mm	5V/1000mA	68%
NL05-T2S12		12V/416mA	71%
NL05-T2S24		24V/208mA	75%

● **INPUT SPECIFICATIONS**

Parameter	Conditions / Description	Min	Nom	Max	Unit
Input Voltage	AC input	85	220	264	VAC
	DC input	100	310	370	VDC
Frenquency	AC input	47	-	63	Hz
Input Current	115VAC	-	-	150	mA
	230VAC	-	-	75	

● **OUTPUT SPECIFICATIONS**

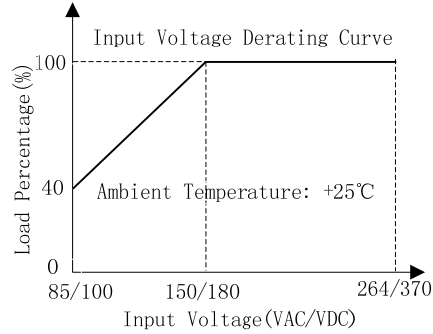
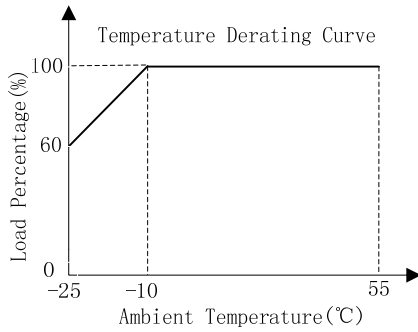
Parameter	Conditions / Description	Min	Nom	Max	Unit
Voltage accuracy		-	±3	-	%
Load regulation	10%-100%Load	-	±2	-	
Line regulation		-	±2	-	
Ripple & Noise	20MHz BW, with external 10uH inductor and 220uF CAP LC filter	-	100	-	mV
OCP	Over current protection	≥110%Io, self-recovery			
SCP	Short circuit 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	-	-	85	%RH

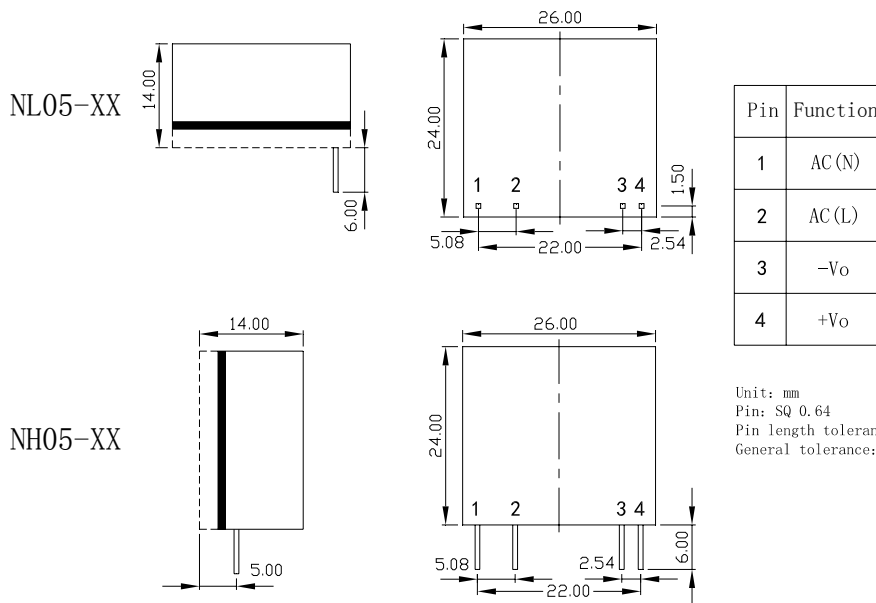
Insulation voltage		1500	-	-	VAC
Cooling method		Natural air cooling			
MTBF	MIL-HDBK-217F@25°C	215000	-	-	hrs
Weight		-	9.0	-	g

● **PRODUCT CHARACTERISTIC CURVE**



Note: Input voltage should be derated based on temperature derating if input voltage is less than 150VAC/180VDC.

● **DIMENSIONS AND PIN ASSIGNMENT**



● **NOTES**

1. Unless otherwise specified, data in this specification is tested with nominal input voltage, rated output load, and Ta=25°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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