

NDDY	NA10-T2SXX-V	10W, 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 10W 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.)
NA10-T2S05-V	48.5mm×36.0mm×20.5mm	5V/2000mA	79%
NA10-T2S09-V		9V/1110mA	80%
NA10-T2S12-V		12V/830mA	81%
NA10-T2S15-V		15V/660mA	82%
NA10-T2S24-V		24V/420mA	85%

● **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	-	-	0.27	A
	230VAC	-	-	0.14	

● **OUTPUT SPECIFICATIONS**

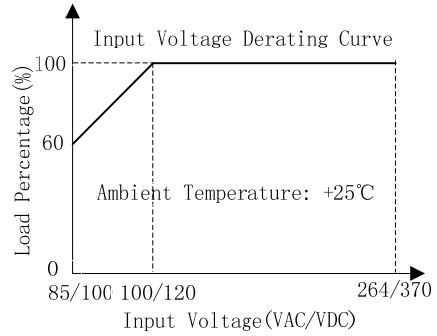
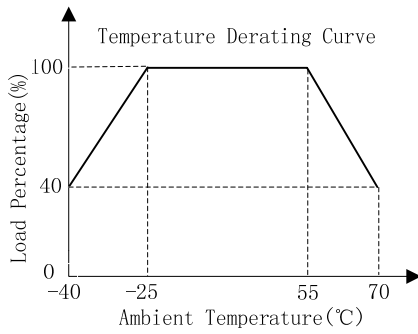
Parameter	Conditions / Description	Min	Nom	Max	Unit
Voltage accuracy		-	±2	-	%
Load regulation	10%-100%Load	-	±1	-	
Line regulation		-	±0.5	-	
Ripple & Noise	20MHz BW	-	100	-	mV
OCP	Over current protection	≥110%Io, self-recovery			
SCP	Short circuit protection	Continuous, self-recovery			

● **GENERAL SPECIFICATIONS**

Parameter	Conditions / Description	Min	Nom	Max	Unit
Operating temperature		-40	-	+70	℃
Storage temperature		-40	-	+105	℃
Storage humidity	No condensing	-	-	95	%RH
Insulation voltage		1500	-	-	VAC
Cooling method	Natural air cooling				

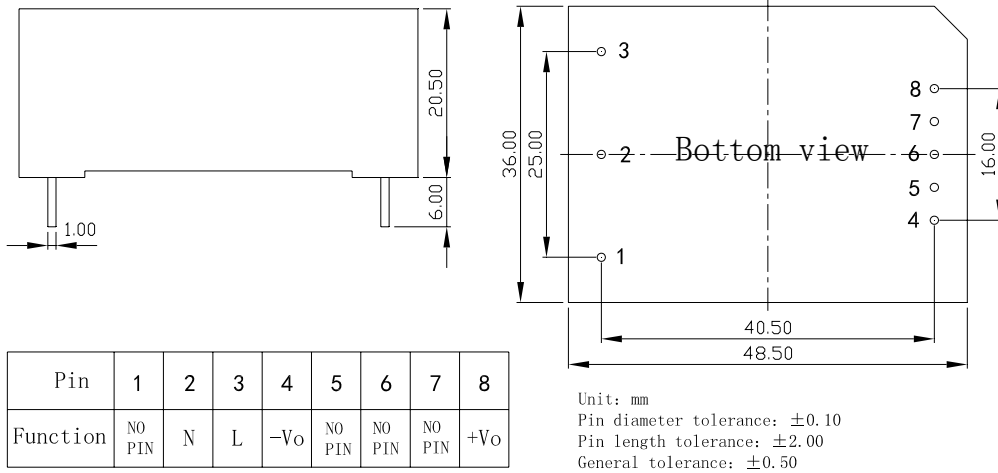
MTBF	MIL-HDBK-217F@25°C	215000	-	-	hrs
Weight		-	50	-	g

● **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	8
Function	NO PIN	N	L	-Vo	NO PIN	NO PIN	NO PIN	+Vo

● **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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