**Typical Performance**

Wide Input Voltage :85~264VAC or 110~370VDC  
 Isolation voltage: 3000VAC  
 Efficiency: Up to 83% Custom Design Available  
 Output Short Circuit Condition  
 Overvoltage protection Thermal Shutdown  
 Protection Ripple & noise(20MHz Band Width):100mVp-p  
 Operation Temperature: -40~+65°C  
 RoHS compliant Super small size  
 MTBF > 10000Hrs

**Typical Product Tabulates**

Order Code	Input Voltage	Output					Efficiency (Typ)
		Voltage (VDC)	Current (mA)	Regulation (%) Line	Regulation (%) Load	Ripple&Noise (mV)	
		Vo1	Io1	Vo1	Vo1	Vo1(Typ)	
NA01-T2S03	AC 85~264V DC 110~370V	+ 3.3V	303	±0.5	±1	150	69%
NA01-T2S05		+ 5V	200	±0.5	±1	100	75%
NA01-T2S09		+ 9V	111	±0.5	±1	100	78%
NA01-T2S12		+ 12V	83	±0.5	±1	80	80%
NA01-T2S15		+ 15V	67	±0.5	±1	80	81%
NA01-T2S24		+ 24V	42	±0.5	±1	80	82%
NA02-T2S03		+ 3.3V	600	±0.5	±1	150	69%
NA02-T2S05		+ 5V	400	±0.5	±1	100	75%
NA02-T2S09		+ 9V	222	±0.5	±1	100	78%
NA02-T2S12		+ 12V	167	±0.5	±1	80	80%
NA02-T2S15		+ 15V	133	±0.5	±1	80	82%
NA02-T2S24		+ 24V	83	±0.5	±1	80	83%

Notes : 1.If other than the list of products, please contact the Company's sales department

2. Need to smaller ripple, an external capacitor

**Input Characteristics**

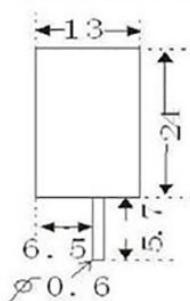
Parameter	Conditions	Min	Typ	Max	Units
Current	Typical input voltage and output load	NA01 NA02		0.030	A
				0.060	A
Voltage	AC Input	85		264	V
	DC Input		110	370	

**Output Characteristics**

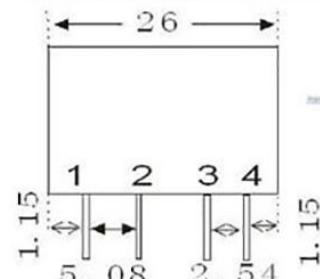
Parameter	Conditions	Min	Typ	Max	Units
Power	See Typical Product Tabulates			2	W
Frequency			60	100	KHz
Voltage Accuracy	Typical input voltage and output load		±1	±2	%
Line Regulation	Input=VMIN form VMAX , Typical output load		±0.2	±0.5	%
Load Regulation	Typical input voltage , Load form 10% to 100%		±0.5	±2	%
Temperature Drift Coefficient	25°C Ambient Temperature = 25°C		0.02		%
Ripple & Noise	Band Width 20MHz		100	150	mV

**General Characteristics**

Parameter	Conditions	Min	Typ	Max	Units
Isolated Voltage	Input to output	Flash test 60S,leakage current<0.5mA	3000		VAC
	I/O-Shell		3000		VAC
Isolated Resistance	Input to output	Isolation voltage 500VDC	1000		MΩ
	I/O-Shell		1000		MΩ
Operation Temperature	Input=VMIN form VMAX , Typical output load	-40		60	°C
Storage Temperature		-55		105	°C
Storage Ambient Humidity				95	%
Lead Temperature	Solder form shell 1.5mm , time 10S			300	°C

**Mechanical Dimensions&Pin Connections**

Side View



Front View

PIN	
1	L
2	N
3	VO-
4	VO+

Units: mm

Tolerance: .xx ± 0.25 (± 0.01)