



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 > 100000Hrs

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	+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		DC 110~370V	+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		0.030	A
		NA02		0.060	A
Voltage	AC Input	85		264	V
	DC Input	110		370	V

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		%
Ripper & Noise	Band Width 20MHz		100	150	mV

General Characteristics

Parameter	Conditions	Min	Typ	Max	Units
Isolated Voltage	Input to output	3000			VAC
	I/O-Shell	3000			VAC
Isolated Resistance	Input to output	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

