

NDN 1642



MODEL	NDN 1642	
Frequency range	0.1Hz ~3MHz(8SEC) 1 0.1Hz~1Hz 10 1Hz~10Hz 100 10Hz~100Hz 1k 100Hz~1kHz 10k 1kHz~10kHz 100k 10kHz~100kHz 1M 100kHz~1MHz 3M 300kHz~3MHz	
Output waveform	Function output	Sine,square and triangle symmetrical or unsymmetrical
	TTL/CMOS output	Pulse wave (CMOS output f100kHz)
Sine wave distortion	1%	
Triangle wave linearity	99%(output rang :10%~90%)	
Pulse wave raise time	30ns	
Pulse wave raise over impulse	5%	
Output impedance	Function signal output	50
	TTL/CMOS signal	600
External input frequency characteristic	impedance About	500K
	Signal range	0V~+3V
	Signal cycle	10ms~5s
Signal style	Single frequency, sweep frequency,frequency modulation(controlled)	
Symmetry degree range	20%~80%,"off"will output symmetry waveform,error2%	
DC bias	Continually adjustable-10V-10V 10% (1Moverload),-5V~+5V 10%(50overload),"off"will output DC Level <0.1V	
TTL output(load impedance600)	"0"level	0.8V
	"1"level	3V
CMOS output(load impedance2 K)	"0"level:0.8V "1"level:5V-15V continually adjustable	
single fixed Frequency output	frequency	waveform Output range
	100Hz 2Hz	Sine wave ≈2Vp-p
Voltage output (1M load Resistance)	Without attenuation:(1.0Vpp~20Vpp)10%(adjustable) attenuation 20dB: (10mVpp~2Vpp) 10% (adjustable) attenuation 40dB: (10mVpp~200mVpp) 10% (adjustable) attenuation 60dB: (1.0mVpp~20mVpp) 10% (adjustable)	
Range display	unit	Vpp or mVpp
	error	Vo20%1 character(Vo : the peak value of output signal) Load resistance is 50, Vo reading *1/2
	Differentiation rate	0.1Vpp(no attenuation), 10mVpp(attenuation 20dB),1mVpp(attenuation 40dB),0.1mVpp(attenuation 60dB)
Power output frequency	0.1Hz~100KHz	
The max power.output voltage	50VP-P	
The max. power output current	1AP-P	
Power output current overload	Overload indication	
Time base nominal frequency	24MHz	
Frequency count	Frequency range	0.1Hz~40MHz
	Voltage range	1Hz-40MHz 30mV-2V 0.1Hz-1Hz 150mV-2V
	Impedance range	500K/30pF
	Filter end frequency	About 100KHz (with inner attenuation to satisfy the min. voltage as requirement.)
	Measure error	Time base error+ Trig error(The SN rate of tested signal is better than 40dB with singal period)(trig error0.3%)
Power voltage	AC 220V10%	
Power frequency	50Hz2Hz	
Dimension LBH:	28021085 mm	
Weighty	2.5kg	