



ARBITRARY WAVE FORM GENERATORS

Specifications :

YB 33200		
The number of channel		: one
Function wave form		:Sine, square, traingle, Up-slant , Down-slant, noise , SINX/X, down-index
Arbitrary	Waveform	32K(32768)points
	storing-length	
	Amplitude	12 bit (Including brackets)
	resolution	
	Sampling rate	80 MS a/s
Frequency	Memory with	waveforms with 32k
	power protection	
	Sine	10mHz ~ 20MHz
	Square	
	Other waveform	10mHz ~ 100kHz
	Resolution	100mHz or 8 digits

	Stability	≤ 50ppm (Typical Value)
Signal Features	Rising time	≤ 25nS
	Overshot(1Vpp)	≤ 2%
	Non-symmetry (1KHz)	≤2%
	Range for duty setting	20% ~ 80%
	Linearity of Triangle and Slant wave	≤ 1%
Out Features	Range for amplitude (50Ω)	50mVpp ~ 10Vpp
	Attenuating error (1kHz)	≤5%
	Frequency response (1Vpp, Basic frequency 1MHz)	≤5%
	Range for Deflection Ratio setting (within 5V)	-100% ~ 100%
	Output impedance	About 50Ω
	Resolution setting	3 bit
Distortion of Sine wave		< 1kHz -60dBc 100kHz-50dBc 1kHz ~ 1MHz-40dBc 100kHz ~
Phase Noise (fc=10MHz, RBW=3kHzVBW=300Hz)		30kHz deflected -55dBc
Frequency scanning	Type	Linearity or log
	Direction	Positive or Negative
	Starting Frequency/ Final Frequency	10 mHz ~ 20MHz
	Range for Time	10 mS ~100S

	phase	Adjustable for starting phase
FREQUENCY MOVING CONTROLLERS & WAVE FILING	Inner speed setting	10mHz ~ 50kHz
	Source (frequency controllers)	INT/EXT
	Phase for filling wave	Adjustable for starting phase
BURST	Wave-loading frequency setting	$\leq 1\text{MHz}$
	Counting	1 ~ 65536
	Range for starting phase	$-360^\circ \sim 360^\circ$, setting step 1°
	Time interval setting	10uS ~ 100S
AMPLITUDE MODULATION	Wave form modulation	Any inner function waveforms and arbitrary waveforms
	Range for frequency modulation	10mHz ~ 20kHz
	Range for depth of amplitude modulation	0% ~ 120%
	Source	INT/EXT
FREQUENCY MODULATION	Wave form modulation	Any inner function waveforms and arbitrary waveforms
	Range for frequency modulation	10mHz ~ 20kHz
	Range for frequency deflection	10mHz ~ 20MHz
	Source	INT