

CA1640 SERIES FUNCTION GENERATOR



CA1640-02

Features:

- LSI and MCU circuit design
- Multi waveforms: Sine/Square/Triangle, etc.
- With 5 digit frequency counter (up to 20MHz)
- LED display, amplitude 3 digit and frequency 5 digit
- DC offset: -5V to +5V
- Symmetry continuously adjustable
- Power output (CA1640P-02, CA1640P-20 only)
- High performance, low cost

Specifications

		CA1640-02	CA1640P-02	CA1640-20	CA1640P-20
MAIN	Output Frequency	0.2Hz - 2MHz	0.2Hz - 2MHz	0.2Hz - 20MHz	0.2Hz-20MHz
	Output Waveform	Sine wave, Square wave, Triangle wave			
	Frequency Stability	+/-0.5%			
	Output Impedance	50Ohm, 600Ohm(TTL)			
	Output Amplitude	10Vpp (50Ohm), 20Vpp (1MOhm)			
	Output Attenuation	0dB/20dB/40dB/60dB			
	DC Offset	-5V to +5V			
	Symmetry	20% - 80%			
SINE WAVE	Distortion Factor	≤ 2%			
SQUARE WAVE	Rise or Fall Time	< 100ns	< 100ns	< 30ns	< 30ns
TTL OUTPUT	Low Level	≤ 0.8V			
	High Level	≥ 3V			
SWEEP MODE		Linear, logarithm, external seep			
FREQ. COUNTER	Frequency Range	0.2Hz - 20MHz			
POWER OUTPUT	Output Voltage	-	50Vpp -3dB(50Ohm)	-	50Vpp -3dB(50Ohm)
	Output Current	-	1App(50Ohm)	-	1App(50Ohm)
	Output Frequency	-	0.2Hz-30kHz square wave	-	0.2Hz-30kHz square wave
		-	0.2Hz-100kHz Sine and triangle wave	-	0.2Hz-100kHz Sine and triangle wave
POWER SOURCE		AC115V/230V +/-15%, 50/60Hz			