



6V-IPWAVE

Function Generator

Description

The 6V-IPWAVE was developed to respond to the need for standard waveshape generation. The IPWAVE generates a waveform by sweeping through a 500 word memory. The output is processed through a 12-bit D/A converter and then further passed through a gain and offset amplifier. Program selection (external to the IPWAVE) of the gain, and offset provide a highly capable function generator.

Software Support

The IPWAVE is supported by a library of ADvantageDE routines that support run-time control. Included is the ability to start, stop, run continuously, or operate on a triggered (one-shot) basis.

Features

- Standard function output
- Software controlled frequency, gain, and offset
- No run-time load on primary computing resources
- Industry standard IP module form factor, single site

Specifications

General

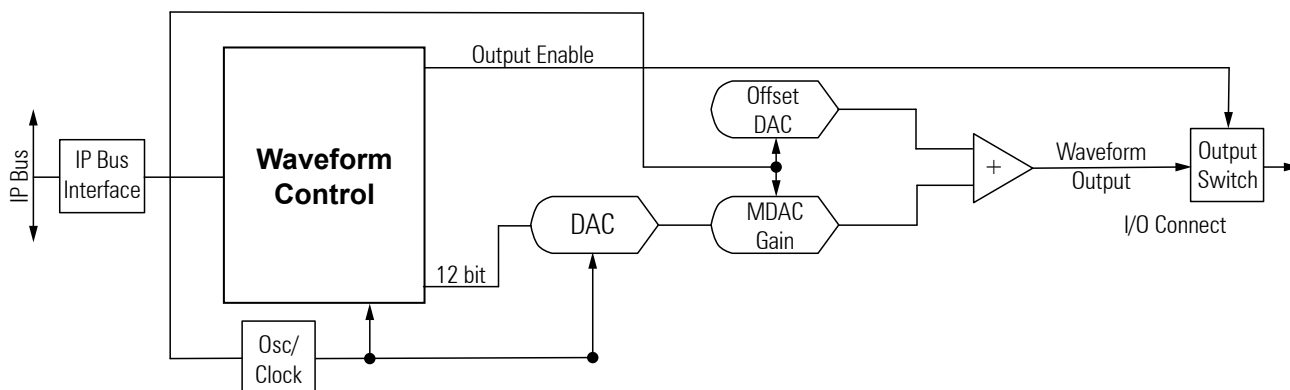
Sampling rate range: 0 to 10.0 megasample/sec
 Sampling rate resolution: 0.0149 Hz
 Sampling rate accuracy: 0.01%

Waveform: Sine, Square, Triangle
 Memory size: 500 pts

Analog Voltage Output

Voltage range: +/- 10 volts
 Offset voltage range: +/- 5 volts
 Gain range: 0 to 1.0

Mechanical/Electrical: IP Module, Single site, Type 1



RTS - High-Performance Real-Time Simulator