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Slewable Function Generator Model IP202S

The IP202S is a single-wide industry pack (IP) function generator that provides a signal output that can sweep through a frequency range at a programmable slew rate. The output signal can be a sine, square, triangle, or sawtooth waveform up to 1 MHz and may be direct or transformer coupled. Signal amplitude and offset level can also vary with frequency. The IP202S can be used with any conforming industry pack carrier, such as carriers for VME/VXI, PC-AT, PCI, or NUBus.



SPECIFICATIONS

Output Waveforms

Sine, Square, Triangle Sawtooth

Frequency Outputs

Range: 0 to 1 kHz, 10 kHz, 100 KHz, or 1 MHz

Resolution: 1 Hz, 10 Hz, 100 Hz, or 1 kHz

Output Voltage Control

Amplitude: 0 to 10 V pp

Offset (direct output only): -5 V to +5 V

Operating Modes

Fixed/Follow Frequency

Single Ramp

Single Cycle

Continuous Cycle

Duty Cycle Control

15% to 85%

Internal or external control

Programmable Functions

Slew (sweep times)

Start Frequency & Voltage

Stop Frequency & Voltage

Dwell (delay) Times

Slew Start Synchronization

IP Strobe or External Strobe

Temperature

Operating: 0° C to 50° C

Storage: -40° C to 70° C

Power

+5 V @ 150 mA

+12 V @ 60 mA

-12 V @ 60 mA

IP Compliance

Complies with ANSI / VITA Std.

4-1995 for single-wide IP

Modules

Data Transfers: 16 bit

Strobe: Supported

Clock Rate: 8 MHz

Applications

Frequency sweeping source

Low frequency function generator

Anti-lock brake system testing

Tachometer output simulation

Ordering Information

Direct Output: 11027720-0001

Direct and Transformer Output:

11027720-0002