



GREENFIELD TECHNOLOGY

Test & Measurement Instrumentation

Newsletter - Issue 04/2021

Greenfield Technology company is pleased to send you its **newsletter** of the spring. Below you will find information about our **new products**.

For more details on our products or to contact us see our Web site www.greenfieldtechnology.com

Best regards



8 channel Mini Pulse & Delay Generator

The GFT1604 Pulse & Delay Generator provides 8 independent delayed pulses. SMB outputs deliver up to 5 V (10 or 50 V in option), 1 ns rise time pulses, into 50 Ω . Pulse trigger source, delay, amplitude, polarity, number (burst) and width are independently adjustable on each output channel. An embedded application via Ethernet provides easy method to control the generator without specific PC application.

Main features

100 ps delay resolution

Up to 50 MHz pulse frequency from two external or three internal trigger sources.

External clocking 10 MHz to 240 MHz

Interface: Ethernet, USB [Learn more](#)



13 GHz Low Noise Synthesizer

The GFT7513 is a low noise and fast-switching Frequency Synthesizer covering a frequency range from 100 kHz to 13 GHz. The Synthesizer provides a 0.1 mHz frequency resolution, and a wide and accurately leveled output power range. The GFT7513 is well suited for application in Local Oscillator for receivers because it has specific electronic design to provide very low phase noise and none subharmonics.

Main features

100 kHz to 13 GHz Frequency range

3.5 μ s frequency switching time

-140 dBc/Hz phase noise @ 1 GHz center

Interface: USB and RS232..... [Learn more](#)



1 input to 4 line 50 Ω Driver module

The GFT614 module is specially designed for distribution of high frequency clock and high speed logic signal to multiple devices via long cable. The channel input threshold can be set to +1 V / 0 V / -1 V and the input load can be selected from 50 Ω or 1 k Ω pull up by switches. So that channel input can be driven directly by TTL/ CMOS/ negative/ open collector/ AC (± 0.5 V) pulse level.

Main features

Drive 100 feet of cable at 150 MHz clock rate

Four synchronized output with TTL level and 1 ns rise & fall time into 50 Ω

Each output can be set normal or inverted.

Active low Gate input..... [Learn more](#)