



GFT632

32V Pulse generator module

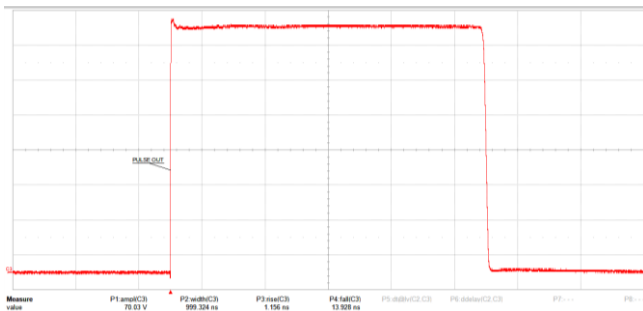
Features

- Output pulse
32V amplitude under 50Ω
< 3ns rise time
1μs Width
< 2 ps RMS jitter
- External Trigger input
- Operate from standard 12V AC/DC adapter
- Options
15 to 70 V amplitude
50 ns to 1 μs width

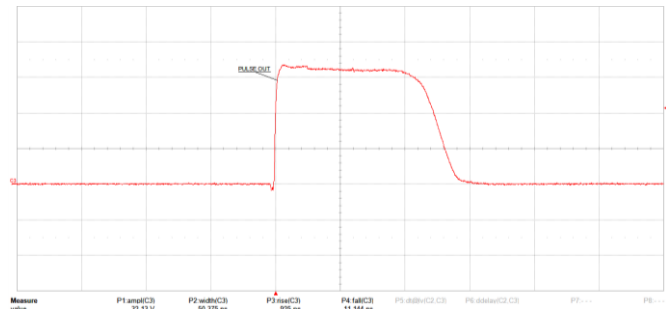


Applications

- Components Test
- ATE Application
- Precision Pulse Application



(10V/div, 200ns/div)
Amplitude = 70V width=1μs
Tr=1.2ns, Tf =14ns



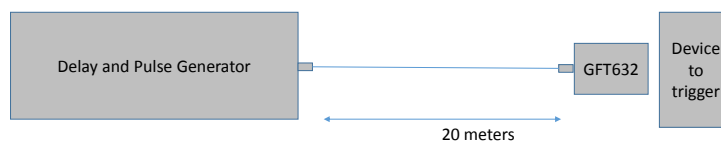
10V/div, 20ns/div
Amplitude = 32V, width= 50ns
Tr=1ns, Tf =11ns

Description

The GFT632 module is an external triggered up to 70V pulse generator. This compact modules produces up to 70V under 50 Ω fast 2ns rise time square pulses.

The output amplitude can be adjusted (trimpot) in factory from 15V to 70V. The output width can be also adjusted in factory from 50ns to 1μs.

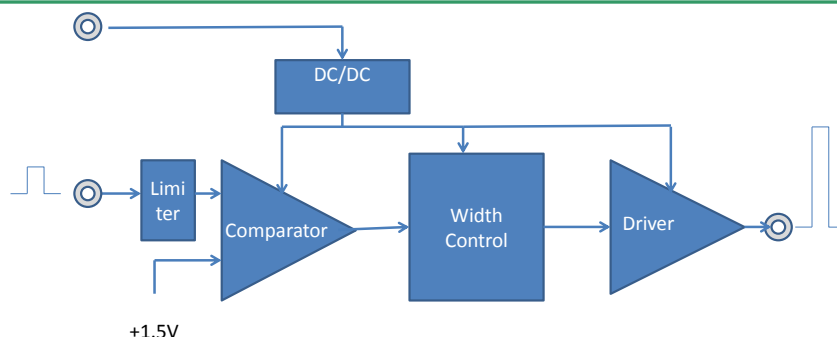
Typical GFT632 application would be to amplifier the output of Greenfield Technology digital delay generator (GFT1004 or GFT1020...). In this way the module can be at 20 meters from delay generator and near the device to trigger.



Typical application

GFT632

32V Pulse generator module



Block diagram

Specifications

Input		
Amplitude		Positive > 2 V
Internal terminaison		50 Ω
Rise time		< 5 ns
Threshold		+ 1.5 V
Width		> 10 ns
Repetitive rate		10 KHz (max.)
Connector		BNC
Output		
Pulse shape		Rectangular
Amplitude		32 V +/- 0.5 V
External load		50 Ω
Rise time		< 2 ns
Fall time		< 15 ns
Width (FWHM)		1 μs +/- 5%
Insertion Delay		< 5 ns
Jitter rms		< 2 ps rms
Connector		BNC
General		
Size		106.0 x 38.5 x 31.6 mm
Power	V/A	12 V / 200 mA max.
	Connector	Locking Power Jack
Leds		Green (power), yellow (trigger)
	External AC/DC adapter for power supply + 12 V	
Options		
	Amplitude 15 to 70 V	
	Width 50 ns to 1 μs	