



# GFT400

## 500ps pulse generator

### Features

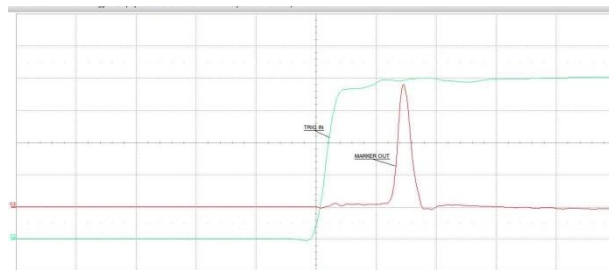
- Gaussian output pulse  
500 ps (FWHM) width  
< 5 ps rms jitter  
2 V amplitude under 50  $\Omega$
- External trigger input
- Operates from standard 12V AC/DC adapter

### Applications

Fast trigger  
Semiconductor device testing  
Jitter transfer and tolerance testing



*GFT400 module*



*Pulse 0.5V/div, trigger 1V/div and 2ns/div  
Output Gaussian pulse and Trigger*

### Description

The GFT400 is an external triggered narrow Gaussian pulse generator. This compact module produces 2V under 50  $\Omega$ , narrow 500ps width pulses. The GFT400 can be used with Greenfield Technology delay generator to generate a narrow pulse.

### Specifications

#### Input

Amplitude	> 2 V
Internal termination	50 $\Omega$
Rise time	< 5 ns
Threshold	+1.5V
Width	> 10 ns
Connector	SMA

#### Output

Pulse shape	Gaussian
Amplitude	2 V +/- 0.5 V
External load	50 $\Omega$
Rise / Fall time	400 ps
Width (FWHM)	500 ps +/- 100 ps
Jitter rms	< 5 ps rms
Ringing	< 5 %
Connector	SMA

#### General

Size (L x W x H)	47 x 34 x 17 mm
Power	12 V / 300 mA
Connector	MCX

#### Option

External AC/DC adapter for power supply  
Custom pulse width from 400ps to 1000ps