

GFT3001

Master oscillator transmitter

- Allows to synchronize 256 delay generators
- 15 ps rms jitter
- Distance between equipment: up to 1 Km
- Interconnection: optical fiber

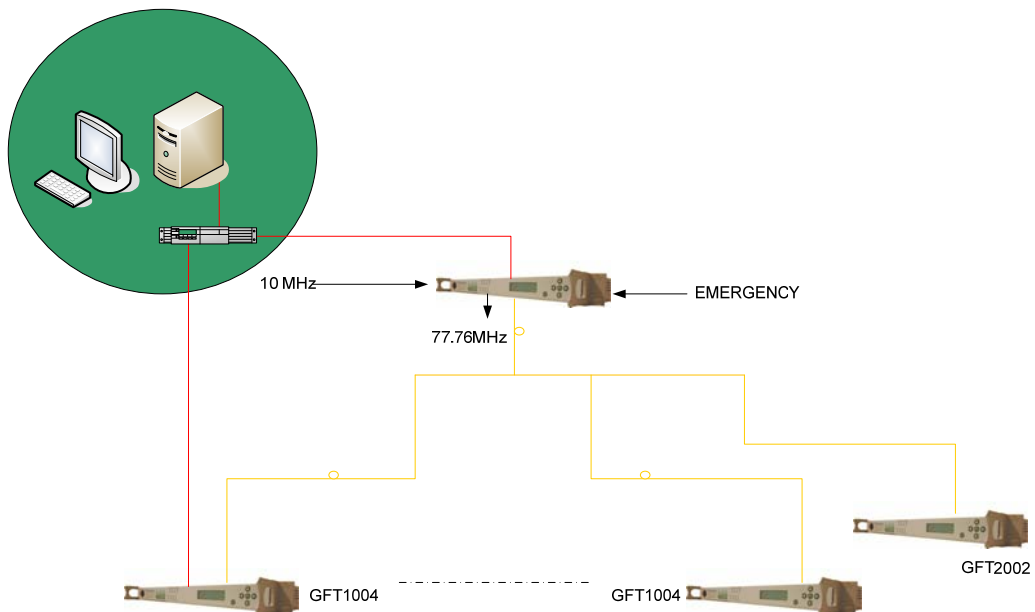


Applications

- Components Test
- ATE Application
- Laser Timing System
- Precision Pulse Application
- Synchronous Multi-channel
- Triggering

Description :

The GFT 3001 delivers a serial data stream over an optical network to manage the GFT 1004 triggering and time base. It can provide up to 2048 triggers to equipment distributed over important area as encountered in laser timing systems.



GFT3001, Master oscillator transmitter

Specifications

System

Distance between GFT3001 and 1004 > 1 km

Clock

Timebase 155.52 MHz

Accuracy < delay x 10⁻⁷

Trigger

Single shoot Front panel, Ethernet or trigger input

Repetition rate 3 frequencies, (1,2, 5 between 1 kHz to 0.1 Hz)

Trigger input

Trigger +1 V

Load 50 Ω

Connector BNC

Optic output

Connector SC/PC with shutter

Power 4 dBm mean

Rise and fall time < 1 ns

Repetition rate 155.52 Mb/s

T0 output

Amplitude 2,5 to 10 V

Load 50 Ω

Rise time, fall time < 2 ns, < 5 ns

Width 100 ns to 10 μs

Connector BNC

General

Size Rack 19'', 1U, P= 300 mm

Interface Local PAV, Ethernet

Power 90 to 220V / 1A

Free Drivers for Win 2000/XP

Options

Option 1 10 MHz input

Option 2 synchronize up 256 delay generators