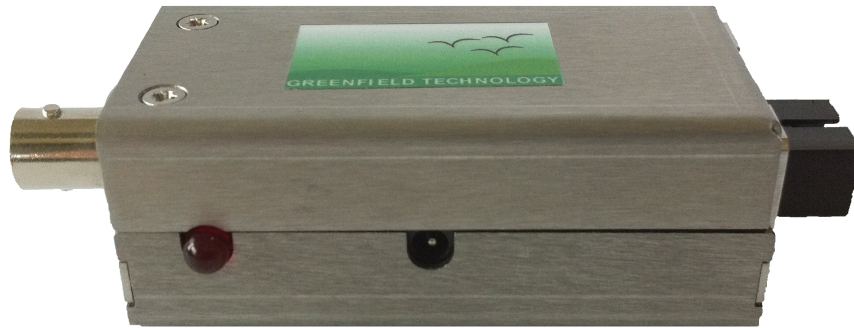


GFT200

Optical to Electrical Converter

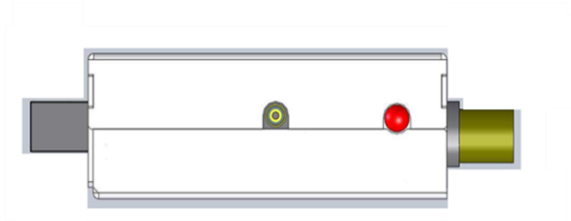


FEATURES

- 1310 nm Wavelength
- Up to -15 dBm Sensitivity
- 30 ps rms jitter
- 10 V output pulse at 50 Ω

APPLICATIONS

- Laser research
- EMC simulators
- High voltage breakdowns
- High-Energy physics
- Picosecond timing



DESCRIPTION

The GFT200 module converts optical pulse to a fast electrical pulse of 10 volts at 50Ω. This compact module combined with the GFT101 module, is ideal to transmit pulses to a remote location up to 1 Km.

SPECIFICATIONS

Input

Max optical power	1 mW
Sensitivity	Up To - 15dBm
Wavelength	1310 nm
Frequency	100 KHz maximum
Connector	SC-PC

Output

Pulse	Positive and rectangular
Amplitude	10 V/ 50Ω
External load	50 Ω
Rise time	< 2 ns
Width at A/2	>200ns
Jitter rms	< 30 ps
Connector	BNC

General

Size	65 x 35 x 20 mm
Power	V/A 12V/200 mA
Connector Jack	1.3 mm diameter
LEDs	Lights on when a pulse is detected.
Option	<ul style="list-style-type: none"> - Others wavelength 900 or 1550 nm - Others connector types - Fiber optic cable - External AC/DC power supply