

GFT4032

1:32 Optical Splitter

Features

- Allows to synchronize up to 32 delay Generators
- Low insertion loss
- Interconnection: optical fiber
- 19", 1U compact packaging

Applications

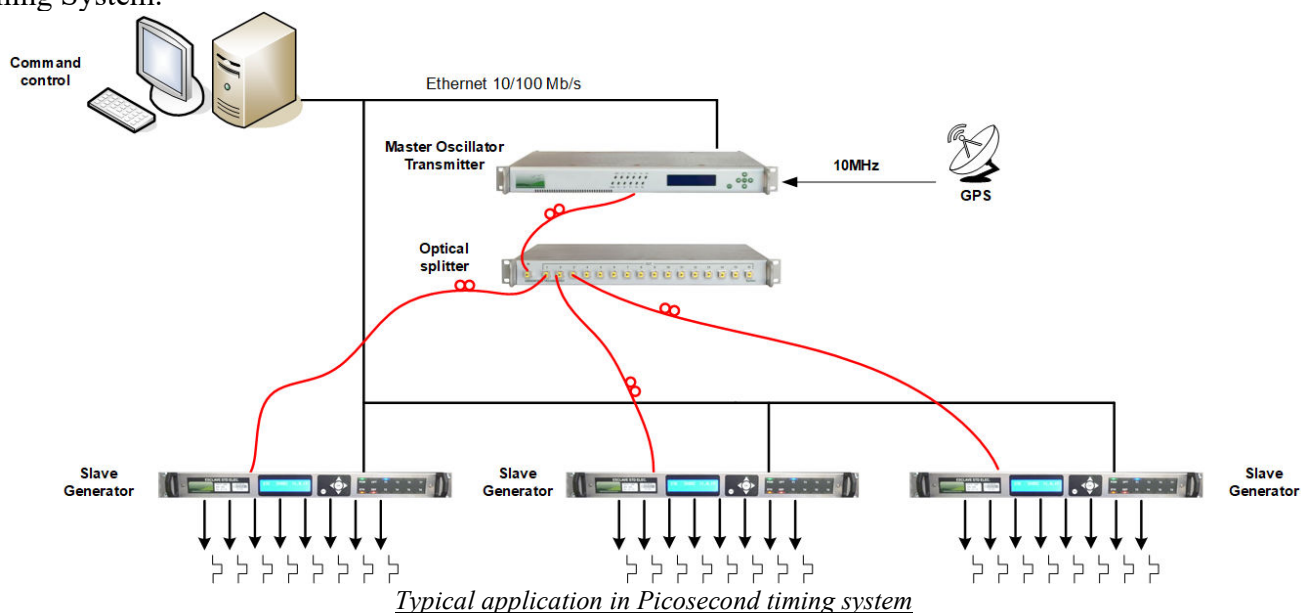
- Picosecond Timing System
- Optical network
- Optical pulse splitter
- Test equipment



Description

The GFT4032 is a passive Optical Splitter designed for use in optical network. The device allows splitting one channel to 32 channels with very low jitter. All the SC optical connectors are situated on the front panel. The GFT4032 is 19", 1U rack mountable compact packaging.

Typical application is to split the optical data stream provided by the Master Oscillator in Picosecond Timing System.



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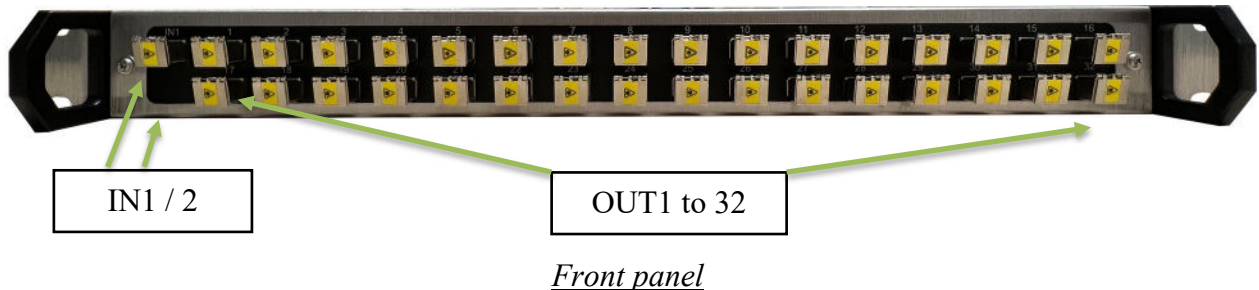
Specifications

Parameter	Value		
Optical input			
Channel number	1		
Wavelength	1300 – 1550 nm		
Optical Fiber	Single-mode		
Optical output			
Channel number	32		
Wavelength	1300 – 1550 nm		
Optical fiber	Single-mode		
Connector	SC with shutter		
Insertion loss	< 17 dB		
Loss uniformity (channel to channel)	< 2 dB		
Polarization depend loss	< 0.3 dB		
Jitter (Input to output)	< 1 ps RMS		
General			
Size	Rack 19'', 1U, 300 mm		
Power	None		
Option 1: Less output channel number			
Change of specifications	Channel number	24	
	Insertion Loss	< 16 dB	
Option 2 : Other Optical connector	PC or APC connector		
Option 3: Optical fiber	Optical fiber for optical input: 2 m Optical fiber for optical output: 10 m x Channel number		
Option 4: two inputs	Insertion Loss < 20 dB		

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Packaging



Connector

Front panel	
IN1 / IN2	Optical Inputs (SC connector)
OUT1 to OUT32	Optical Outputs (SC connector)

Ordering information

Model	Description
GFT4032	Optical Splitter base version: 32 optical outputs
-4	Option 1: Only 24 optical outputs
-PC	Option 2: With PC connector
-APC	With APC connector
-FO	Option 3: Optical fiber (ask to factory)
-1	Option 4: One input
-2	Two inputs