

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

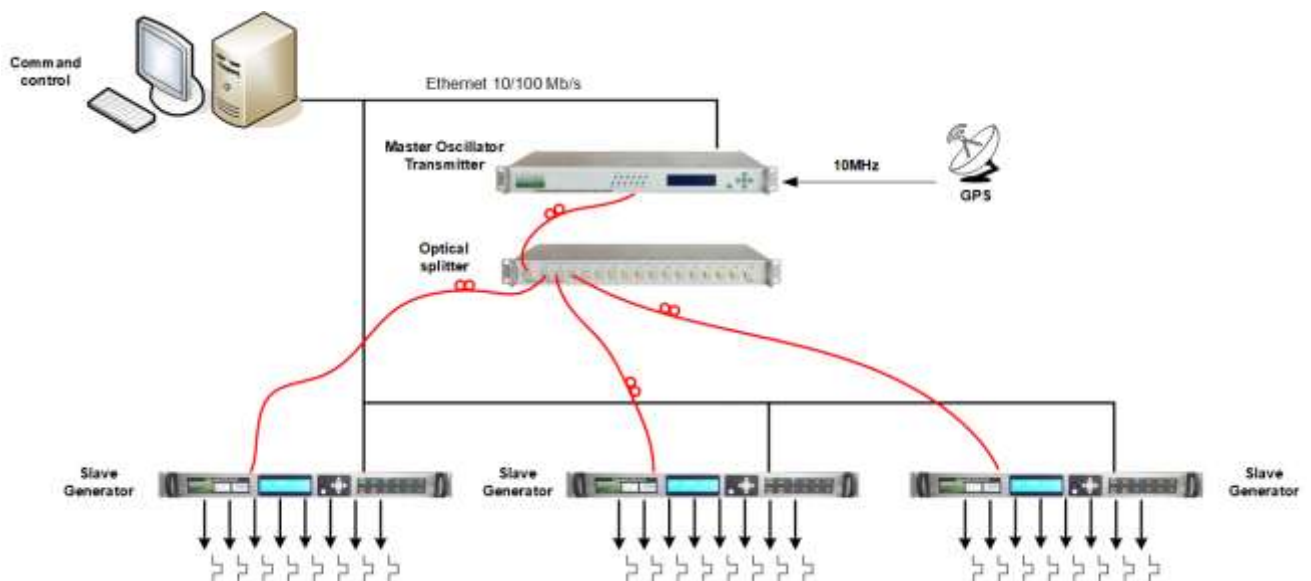
- Picosecond Timing System
- Optical network
- Optical pulse splitter
- Test equipment



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.



Typical application in Picosecond timing system

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1: 32 Optical Splitter

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", 2U, P= 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: 2m, Optical fiber for optical output: 10m x Channel number			
Option 4: two inputs	Insertion Loss < 20 dB			

Packaging



Connector

Front panel	
IN	Optical Input (SC connector)
OUT 1 to OUT 32	Optical Outputs (SC connector)

Ordering information

Model	Description
GFT4032	Optical Splitter base version: 32 optical outputs
-04	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