GFT4016
Optical Splitter

Features

- Allows to synchronize up to 16 delay Generators
- Low insertion loss
- Interconnection: optical fiber
- 19", 1U compact packaging

Applications

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

Description

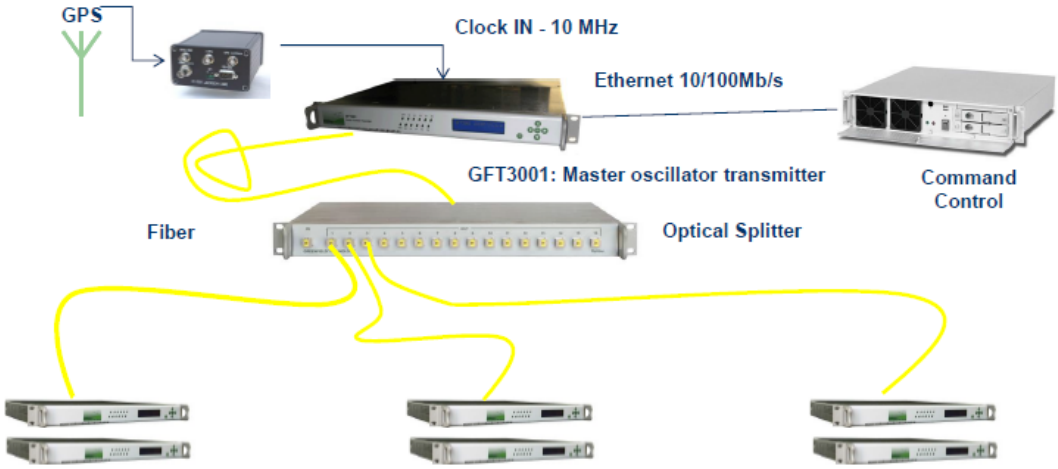
The GFT4016 is a passive Optical Splitter designed for use in optical network. The device allows splitting one channel to 16 channels (4, 8 or 12 channels in option) with very low jitter.

Several GFT4016 can be chained (1 device at first level and up to 16 device at the second level) to provide up to 256 channels.

All the SC optical connectors are situated on the front panel.

The GFT4016 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

Specifications

Parameter		Value			
Optical input					
	Channel number	1			
	Wavelength	1300 – 1550 nm			
	Optical Fiber	Single-mode			
Optical output					
	Channel number	16			
	Wavelength	1300 – 1550 nm			
	Optical fiber	Single-mode			
	Connector	SC with shutter			
	Insertion loss	< 14 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, P= 300 mm			
	Power	None			
Option 1: Less output channel number					
	Change of specifications	Channel number	4	8	12
		Insertion Loss	< 8 dB	< 11 dB	< 14 dB
Option 2 : Other Optical connector		PC or APC connector			
Option 3: Optical fiber		Ask to the factory			

Packaging

Front panel

Rear panel

Connector

Front panel	
IN	Optical Input (SC connector)
OUT 1 to OUT 16	Optical Outputs (SC connector)

Ordering information

Model	**Description**
GFT4016	Optical Splitter base version: 16 optical outputs
-04	Option 1: Only 4 optical outputs
-08	Only 8 optical outputs
-12	Only 12 optical outputs
-PC	Option 2: With PC connector
-APC	With APC connector
-FO	Option 3: Optical fiber (ask to factory)