Cavity-less sub-picosecond pulse generation for the demultiplexing of a 640 Gbaud OTDM signal - DTU Orbit (01/12/2018)

Cavity-less sub-picosecond pulse generation for the demultiplexing of a 640 Gbaud OTDM signal

A 703 fs cavity-less pulse source based on pulse carving and pulse compression is demonstrated and utilized for demultiplexing a 640 Gbaud OTDM signal. Timing jitter is found to be the main limiting factor.

General information
State: Published
Organisations: High-Speed Optical Communication, Department of Photonics Engineering, Department of Micro- and Nanotechnology, State Key Laboratory of Information Photonics and Optical Communications
Pages: 293-294
Publication date: 2015

Host publication information
Title of host publication: Proceedings of 2015 IEEE Photonics Conference
Publisher: IEEE
ISBN (Print): 9781479974658
Keywords: Photonics and Electrooptics, Dispersion, Limiting, Optical attenuators, Optical beams, Optical modulation, Optical pulses, Stimulated emission
DOIs: 10.1109/IPCon.2015.7323445
Source: FindIt
Source-ID: 276555818
Research output: Research - peer-review › Article in proceedings – Annual report year: 2015