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Analog Fiber Optic Links



Linearizer

(www.linearizer.com)

- Analog fiber optic transmitters and receivers to 50 GHz, >100 dB dynamic range
- Antenna Remoting Solutions with ruggedized outdoor units
- Delay lines, WDM systems, linear communications links, remote sensing
- Time over Fiber interfacility link systems: IRIG, 1PPS, CW/Sine standards, GPS

Optical Components

axenic



(www.axenic.co.uk)

- GaAs Modulators – ideal for aerospace and satellite applications
- Broadband and IQ Modulators up to 45GHz



(www.eagleyard.com)

- High-power laser diodes
- Wavelengths range 630 nm to 1120 nm
- Broad Area Laser, Tapered Laser, Ridge Waveguide Laser/Fabry Perot Laser, DFB/DBR Laser

II-VI

formerly: **FINISAR** (www.ii-vi.com)

- 40-100GHz Photodetectors and Receivers, Single Ended and Balanced
- Integrated Balanced Receivers, DPSK, DQPSK, Coherent Solutions
- Optical Transceivers
- Optical Amplifiers
- Wavelength Management Components (ROADMS, WSS)

LUNA

(<https://lunainc.com>)

- Highly Linear and Low Noise Tunable Laser
- Fiber Fabry-Perot Tunable Filters
- General Photonics Products:**
- Polarization Control, Scramble and Tracker Modules
- Polarization Switch and State Generator modules
- OCT modules and components (MDL, PD, Couplers etc.)
- Fiber Coils for FOG applications

Rio Products:

- Ultra-narrow linewidth laser diodes & modules
- 1550nm & 1064nm, up to 2W power, PM/SM fiber
- CW & FM modulation (up to 200 MHz)
- Low noise, high stability, highest reliability

G&H



(www.goochandhousego.com)

- Fiber-QTM Modulators and Drivers
- DFB Lasers and Modules
- Fiber Coupled Pump Laser
- Fused Fiber Optic Components

ixblue



(www.ixblue.com)

- LiNbO3 Modulators: Phase, Intensity and Polarization Switches and Scramblers up to 40GHz, 780nm - 2µm
- Modulator Drivers and Bias Controllers
- Reference/Analog Optical Transmitters
- Sub-nanosecond Optical Pulse Shapers
- Kylia Products:**
- Delay Lines Interferometers
- 90° optical hybrids, Variable Optical Delay Line
- DWDM and Modal Mux/Demux
- Optical Switches. Custom optical assembly

nicslab



(www.nicslab.com)

- Smart Power for optical components
- Multi-channel Voltage/Current sources
- Channel Counts from 8 to 120 channels



(www.nuphoton.com)

- Fiber Lasers – CW and Pulsed: Green, 1064nm, 1550nm and 2000nm
- Amplifiers – CW and Pulsed: 1064nm, C&L Band (SM, PM), 2000nm
- Broadband Sources – 1064nm, ASE, Raman, 2000nm



(www.optoscribe.com)

- Fiber-to-SiPh Coupling - OptoCplrLT™
- Precision Fiber Alignment Arrays - OptoArray™
- Fiber to Fiber Interconnects
- Multicore Fiber Fanouts - OptoFan™
- Photonics Lanterns - OptoLantern™
- Transceiver Photonics Integration
- Optical Sub-Assembly (OSA) Platform

sercalo
microtechnology ltd



(www.sercalo.com)

- Optical MEMS switches and VOAs
- Switches: SM, MM, 1xN and MxN
- S2-D Galvanometers
- Rackmount, benchtop and component

(www.shf-communication.com)

SHF Communication
Technologies AG
the bandwidth company

- Broadband RF & Microwave Amplifiers up to 67 GHz
- RF Switches, Filter and Attenuators
- Frequency Dividers & Multipliers
- Bias Tees and DC Blocks up to 110 GHz
- RF & Microwave Connectors and Cables up to 110 GHz

Optical Test and Measurement



(www.aragonphotonics.com)

- High Res OSAs – 10MHz Resolution and 80 dB Dynamic Range
- C- and C+L Band
- Phase and Amplitude for Complex Modulation Analysis
- PDL, PMD analysis from your OSA
- High Definition Component Analyzer



(www.bristol-inst.com)

- Wavelength Meters – fastest on the market
- Operation available from 350 nm to 12.0 um
- Laser Spectrum Analyzers



formerly: **FINISAR**

(www.ii-vi.com)

- WaveShaper Family (1ch – 16ch, S/C/L/XL band)
- WaveAnalyzer – high resolution spectrum analyzer
- Ultraspan high-performance Optical Amplifiers
- LightSmyth Pulse-Compression Gratings



(www.idphotonics.com)

- Optical Multi-Format Transmitter & Automatic Mach Zehnder BIAS Control
- Tunable lasers for C, L, C+L bands with narrow line widths < 100 kHz - standalone and high-density modules from 1 to 104 tunable sources, 1kHz narrow line width tunable
- Polarization maintaining multiplexer
- Optical DWDM decorrelator for XPoIM and Coherent systems test
- Low Cost Optical Spectrum Analyzer



(www.introspect.ca)

- SerDes Tester and BERT Functions, Pattern Generator Functions - 8 or 32 lanes, up to 32 Gbps NRZ & 56Gbps PAM4, handheld form-factor, USB Controlled, Software-Defined
- Test Solutions for: DDR4/DDR5 Memory Interfaces, PCIe, MIPI (Display, Touch, Imaging and Camera) and I3C
- MIPI DSI and DSI-2 Protocol Analyzer,
- MIPI D-PHY and C-PHY Frame Grabbers



(www.lunainc.com)

- Optical Vector Analyzer (OVA)
- High Resolution Backscatter Reflectometers (OBR)
- General Photonics Products:**
- Polarization Controllers, Scramblers and Analyzers
- PMD & PDL generators and emulators
- OFDR-1000 Hi-Resolution Reflectometer
- New Ridge Technology Products:**
- Lithium Niobate (LiNbO3) based polarization platform to scramble, spin, set, and randomize polarization
- A robust Polarimeter for measuring and recording ultrafast SOP data
- PMD Sources



(www.polatis.com)

- High Density Optical Cross Connect Switches – non-blocking low loss, with optional integrated power meters, variable attenuators and touch screen displays
- Single Mode up to 384x384, Multimode up to 16x16
- Compact latching switch with 32/48 input ports to 16 output ports



(www.shf-communication.com)

- Synthesized Signal Generators (Synthesizers) up to 67 GHz
- Clock Distribution Instruments
- NRZ & PAM Pattern Generators up to 128 GBaud (256 Gbps) per Channel
- Error Analyzers up to 128 Gbps NRZ and 58 GBaud PAM4
- Arbitrary Waveform Generators up to 60 GSa/s
- Multiplexers (MUX) & Demultiplexers (DEMUX) up to 128 Gbps
- Digital-to-Analog Converters (DAC) up to 128 GBaud (256 Gbps)



(www.teraxion.com)

- Tunable chromatic dispersion emulator, compensator
- Chromatic Dispersion Emulator (up to 45,000 ps/nm)
- Narrow line width tunable laser (<1 kHz)



(www.viavisolutions.com)

- Optical/Protocol Transport Test (800G)
- CFP/CFP2/CFP4/QSFP+/QSFP28
- Optical Switching, Mfg. Lab Test
- Optical Field Test, Fiber inspection and test



(www.xenanetworks.com)

- Stateless Ethernet traffic generation and analysis up to 400Gbps
- Stateful Ethernet Traffic Generation and Analysis up to 40GE
- Network Impairment Emulator
- Enterprise Firewall Performance Tester
- Applications: QoS, Benchmark Tests, Functional Test, Convergence, Service Validation, Security Testing, Open Flow



Discounted Test Equipment with Premium Support

(www.xsoptix.com)

- A Small Woman Owned Business Offering Distribution, Import and Reselling services
- Distributor for II-VI, ID Photonics, Aragon, Teraxion, eagleyard, Sercalo, iXblue, Introspect, Cailabs, Optoscribe, Acacia, Axenix, Niclabs, and G&H



(www.tmi.yokogawa.com)

- Optical spectrum analyzers / 350nm-5.5 um
- Wavelength meter
- Multi Application Test System (MATS) – Grid Tunable Laser, LD, Optical Switches, VOA, Optical Sensor
- OTDR, OTLS