

OPTICAL/COMMS TEST & MEASUREMENT



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



- Optical Multi-Format Transmitter & Automatic Mach Zehnder BIAS Control
- Tunable lasers for C, L, C+L bands with narrow line widths
- Polarization maintaining multiplexer
- Optical DWDM decorrelator for XPoM and Coherent systems testing
- Low Cost Optical Spectrum Analyzer



- Optical Vector Analyzer (OVA)
 - High Resolution Backscatter Reflectometer
- (OBR) General Photonics & Newridge Products:
- Polarization Controllers, Scramblers and Analyzers
 - PMD & PDL generators and emulators
 - OFDR-1000 Hi-Resolution Reflectometer



- Optical Cross Connect Switches, non-blocking
- Compact form factor, SM and MM
- 4x4 up to 384x384 matrices available



- 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



- WaveShaper Family (1ch - 16ch, S/C/L band)
- WaveAnalyzer - high resolution spectrum analyzer
- WaveShaper 1000/SP 1µm Programmable Single-Polarization Filter



- 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)



- Innovative & Cost Effective Fiberoptic Test Solutions
- High Speed PER Meter
- PER Measurement for Bare PM Fiber
- Linear Polarization Maximizer/Generator
- Optical Signal Processing Platform



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



- High resolution optical spectrum analyzer 10 MHz & dynamic range > 80 dB, C, C+L, L Band
- Option 230 - Measure spectrally-resolved state of polarization
- BOSA Lite with 20 MHz & > 80 dB dynamic range



- Wavelength Meters - fastest on the market
- Laser Spectrum Analyzers



Provider of state of the art component, test and custom solutions.

CORPORATE OFFICE

TeraComm, LLC
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REGIONAL SALES

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Upstate NY
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Central US
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COMPONENTS



- 40-100GHz PDs & Receivers, Single and Balanced
- Coherent optics - IC-TROSA
- Optical Transceivers
- Wavelength Management Components
- (ROADMS, WSS)



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



- Optical MEMS switches and VOAs
- Switches: SM, MM, 1xN and MxN
- 2-D Galvanometers



- Non-Linear optics- LBO, KTP, KTA, RTP Crystals
- Electro-optics - RTP-Pockels Cells, Pairs, Modulator



- Fiberoptic cables, pigtails and terminations, (SM, MM, PM)
- Harsh Environments/Space and Military grade
- Vacuum Feedthrough and Low Outgassing Cables/Assemblies
- Custom Assemblies and Services (Polishing, connectorization, Splicing and Analysis)



- 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



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



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



- 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



- 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



LINEARIZER

- RF-over-Fiber Experts
- 50 GHz PDs, Analog Fiber Optic Links
- Antenna Remoting range



- 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



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DIGITAL, ELECTRICAL & RF/ μ wave TEST



- 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 Port and I3C
- MIPI DSI and DSI-2 Protocol Analyzer
- MIPI D-PHY and C-PHY Frame Grabbers



- Laser diode controllers
- Highly accurate laser diode drivers
- Temperature controllers



- Arbitrary Waveform Generators up to 60 GSa/s
- 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 64 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) GHz



- USB RF Power Sensors (CW, Pulsed)
- 9 kHz to 50 GHz
- Fast (2,000 rdgs/sec), no-zero, no-cal



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

CUSTOM SOLUTIONS / SERVICES



- A Small Woman Owned Business Offering Distribution, Import and Reselling services



- Offering manufacturing Services for Passive and Active Fiberoptic Assemblies
- FOG Coil Design and Manufacturing Services



- Fiberoptic cables, pigtails and terminations, (SM, MM, PM)
- Harsh Environments/Space and Military grade
- Vacuum Feedthrough and Low Outgassing Cables/Assemblies
- Custom Assemblies and Services (Polishing, connectorization, Splicing and Analysis)



- custom solutions for Fiber Lasers, Optical Amplifiers & ASE sources
- Specializing in Harsh Environments (SubSea, Space)
- Expertise from 1064nm - 2 μ m



LINEARIZER

- Custom RF over Fiber Solutions
- Examples include custom components, modules, and systems, customized functions, OEM products, and unique packaging for unusual footprint, small size, low power, outdoor environments, and harsh environments



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