

## OPTICAL/COMMS TEST & MEASUREMENT



- Optical Transport Testing (1G/10G/100G/400G/800G/1.6T+)
- Ethernet compliance and performance testing (field and lab)
- Optical lab testing (sources, meter, filters, spectral impairments)
- Optical production line testing
- Full fiber inspection (bulkheads, patch cords, transceivers, COBO)
- Fiber sensing (stress, strain, temperature)
- Fiber field test (fiber characterization)



- Network Timing and Latency Test Solutions (5G, Data Centers)
  - PTP, NTP, ORAN, SynchE up to 800Gbe
- Network Emulation Solutions
  - Multi-Channel / Multi-User
  - LAN, WAN, Internet, Cloud, WiFi, (A)DSL, Mobile, Satellite and Mesh



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



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



- 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



- 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



- 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)



Proximion

- Dispersion Compensation Modules (DCM)
  - Continuous Band - High DCM - Residual Slope
- Low Cost DC Patch Cords
- Dispersion Emulation Modules
  - Up to 250,000ps/nm
  - C or L band
  - Low loss, no latency



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



- 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 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 XPolM and Coherent systems testing
- Low Cost Optical Spectrum Analyzer



- 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



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

### CORPORATE OFFICE

TeraComm, LLC  
800 Village Walk, #296  
Guilford, CT 06437  
203.672.5943  
www.teracomm.com

### REGIONAL SALES

New England  
Upstate NY  
Tri-State (NY, NJ, PA)  
Mid Atlantic  
Southeast  
Central US  
West Coast

### SOUTH EAST REGION CONTACT

TOM MAHONEY  
404-307-6486 / tmahoney@teracomm.com  
  
CODY CYR  
978.758.2659 / ccyr@teracomm.com

WWW.TERACOMM.COM

## COMPONENTS

### COHERENT



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

### aXenic



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

### serecalo

microtechnology ltd



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

### Cristal Laser



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

### Coastal Connections

- 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)

### TOPTICA

EAGLEYARD



- 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

### G&H



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

### LUNA

- 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

### 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

### MACOM

Formerly Linear Photonics

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

### exail



- 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



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

#### CORPORATE OFFICE

TeraComm, LLC  
800 Village Walk, #296  
Guilford, CT 06437  
203.672.5943  
www.teracomm.com

#### REGIONAL SALES

New England  
Upstate NY  
Tri-State (NY, NJ, PA)  
Mid Atlantic  
Southeast  
Central US  
West Coast

#### SOUTH EAST REGION CONTACT

TOM MAHONEY  
404-307-6486 / tmahoney@teracomm.com  
  
CODY CYR  
978.758.2659 / ccyr@teracomm.com

WWW.TERACOMM.COM

## DIGITAL, ELECTRICAL & RF/ $\mu$ 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



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



- 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



- Network Timing and Latency Test Solutions (5G, Data Centers)
  - PTP, NTP, ORAN, SynchE up to 800Gbe
- Network Emulation Solutions
  - Multi-Channel / Multi-User
  - LAN, WAN, Internet, Cloud, WiFi, (A)DSL, Mobile, Satellite and Mesh

## CUSTOM SOLUTIONS / SERVICES



- Woman Owned Small 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 $\mu$ m



- 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



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

### CORPORATE OFFICE

TeraComm, LLC  
800 Village Walk, #296  
Guilford, CT 06437  
203.286.1535  
www.teracomm.com

### REGIONAL SALES

New England  
Upstate NY  
Tri-State (NY, NJ, PA)  
Mid Atlantic  
Southeast  
Central US  
West Coast

### SOUTH EAST REGION CONTACT

TOM MAHONEY  
404-307-6486 / tmahoney@teracomm.com  
  
CODY CYR  
978.758.2659 / ccyr@teracomm.com

WWW.TERACOMM.COM