

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)



- Leading manufacturer of Spectrometers and MicroSpectrometers
- Wavelength Range Cover is 180nm - 2500nm
- Hi-resolution, Hi-sensitivity, TE cooled
- Strong HW and SW support
- Custom sensing and spectroscopy solutions



- 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

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 Schmalz 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

oto Photonics

- Leading manufacturer of Spectrometers and MicroSpectrometers
- Wavelength Range Cover is 180nm - 2500nm
- Hi-resolution, Hi-sensitivity, TE cooled
- Strong HW and SW support
- Custom sensing and spectroscopy solutions



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

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



- 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



- 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



- Network Timing and Latency Test Solutions (5G, Data Centers)
 - PTP, NTP, ORAN, SynchE up to 800Gbe
- Network Emulation Solutions
 - Muti-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, pigtailed 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



- 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