

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)



- 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)



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



- 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



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



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



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



- 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



- 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



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



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

CORPORATE OFFICE

TeraComm, LLC
76 Woodland Stret
Methuen, MA 01844
www.teracomm.com

REGIONAL SALES

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

CENTRAL US REGION CONTACT

CAMERON CYR
978.758.3000 / camcyr@teracomm.com

COMPONENTS



- Laser mounts



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



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



- 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 Elements



- 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



- 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



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



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



- 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



- 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)



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