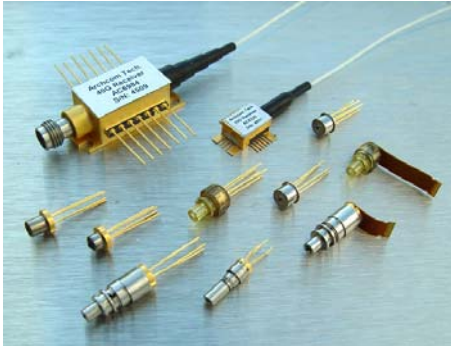




Your One Stop Shop for Active Optical Components

Newsletter - OFC 2005 Edition

Come visit us at OFC booth #2185



Archcom offers a full line of active optical components

Archcom Technology is pleased to be celebrating our fourth year in business as your **ONE STOP SHOP** for active optical components. Archcom provides laser diode and photodiode based components for digital (155 Mbps to 40 Gbps) and analog (CATV, satcom) applications including FTTx, as well as cooled and uncooled 980 nm pump modules for EDFA systems. Our success is built on our commitment to provide excellent performance and the highest quality at low cost. We continue to work closely with our customers to ensure a mutually successful relationship.

At OFC this year, Archcom is excited to announce our team of scientists and engineers are delivering new products in four key new market areas. These include:

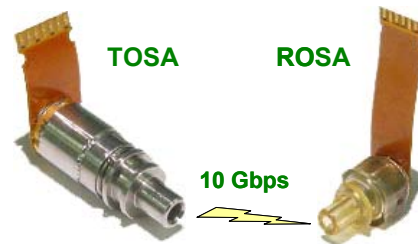
- **10 Gbps TOSAs and ROSAs**
- **CWDM DFB lasers (1275 nm to 1350 nm)**
- **Extended temperature DFBs for -40°C to +85°C operation.**
- **Mini-TOSA packages**

10 Gbps TOSAs and ROSAs

Archcom's line of high performance of 10 Gbps TOSAs and ROSAs are now shipping for a

variety of applications. These products are geared for use in transceivers including XFP, XENPAK, XPAK and X2 packages. Operation targets 10GbE and OC-192 applications. Our 1310 nm FP TOSA offers excellent performance from -40°C to +85°C and with a 25 Ohm single ended drive configuration. This part is ideal for the emerging 802.3aq application. Our 1310 nm DFB TOSA features operation up to 70°C and includes an optical isolator in the TOSA. Applications include 10GbE-L and OC-192 IR 1/2.

The 10 Gbps ROSAs are offered in both single mode (SM) and multi-mode (MM) versions with metal fiber stub or low cost plastic receptacles



Archcom's FLEX circuit 10 Gbps TOSAs and ROSAs

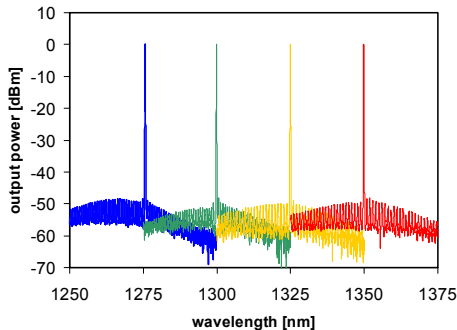
and XMD compatible flex circuit RF feed-through. The SM-ROSA at both 850 nm and 1310/1550 nm offer best in class performance and pass the 10GbE stressed eye requirements. The MM-ROSA utilizes a proprietary photodiode and a TIA with Automatic Gain Control (AGC) for excellent linearity, which is ideal for the 802.3aq application.

Evaluation boards for TOSAs and ROSAs are available. We can also develop customized performance and pinouts as needed as well.



CWDM DFB Lasers

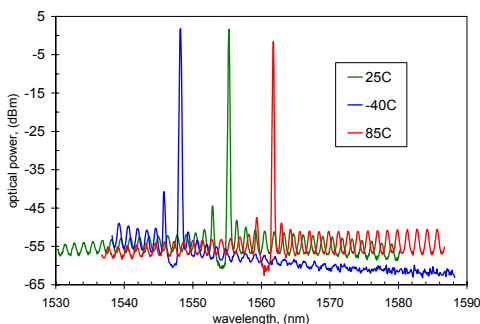
Archcom has extended our standard high performance DFB designs to deliver a number of specific wavelength DFBs for CWDM applications. The initial products cover 1275 nm to 1350 nm and are targeted to meet the LX4 requirements.



Archcom's new 1310 nm CWDM DFBs offer excellent performance for LX4

Extended Temperature DFB Lasers

Archcom's team has come up with new laser diode designs that significantly increase the operating temperature range for our DFB lasers. These extended temperature DFB lasers offer better than 30 dB SMSR over the full temperature range of -40°C to +85°C. This performance is key for the ever increasing demands of telecom and datacom applications



Archcom's extended temperature 1550 nm DFBs offer single mode operation from -40°C to +85°C

Mini-TOSAs

Archcom now provides our high performance 1310 nm and 1550 nm DFB lasers in both

standard TOSAs and mini-TOSAs. The mini-TOSA is based on a TO-38 header using a laser welded design for high reliability and offers an optical isolator and LC receptacle with an overall length less than 12.6 mm.



Archcom's DFBs now come in standard TOSA and mini-TOSA packages

The mini-TOSA is ideal for SFF/SFP transceiver manufacturers wanting excellent performance in an ultra small package.

Don't forget about FTTx

Archcom continues to provide a full line of components ideally designed for your FTTx application. This includes 1310 nm and 1550 nm lasers as well as analog photodetectors and digital receivers developed specifically for ONU and OLT type applications.

Your ONE STOP SHOP

Archcom's goal is to provide you state-of-the-art performance in laser diode and photodiode based photonic components at prices that help your business grow. We offer our products at a variety of levels including: chip, TO-can, TOSA/ROSA, mini-DIL, and butterfly, and we offer a full custom design and packaging capability.

When you need active components, consider Archcom as your **ONE STOP SHOP** business partner.

Visit our website at www.archcomtech.com

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