



July 10, 2009

## **TriAccess Technologies Announces New RF Over Glass (RFoG) Amplifier**

### **New TAT6254D is an Integrated Circuit tailored for economic RFoG deployment**

**SANTA ROSA, CALIFORNIA – July 10, 2009** – TriAccess Technologies, a leading provider of CATV and FTTH (Fiber-To-The-Home) RFICs (Radio Frequency Integrated Circuits) for amplifying high-quality multimedia content, today announced the TAT6254D, a new amplifier for Radio Frequency over Glass (RFoG) based fiber access networks. The TAT6254D is tailor-made for RFoG applications and utilizes TriAccess' proven trans-impedance amplifier (TIA) technology in an optimized two stage single chip solution. The TAT6254D is released for general availability with an 8-week lead time.

The TriAccess TAT6254D incorporates all the downstream receiver requirements for quality RFoG services, providing a single chip solution for R-ONUs (Residential Optical Network Unit). The integration of TIA and output stage amplification for RFoG specific levels enables a highly economic solution. In addition, the dual TIA placement onto a single die assures consistent, manufacturing-repeatable CSO performance and excellent noise.

"The TAT6254D's low noise and high gain performance optimizes the optical input range for a balance of low cost equipment and full 20km downstream performance," said Brian Bauer, TriAccess Technologies VP of Marketing. "The accompanying automated gain control – or AGC – reference circuit provides simple, highly cost-effective gain control solutions."

RFoG is emerging as an effective approach to new construction and network upgrades, primarily because it uses the current cable plant so well and offers a smooth, incremental upgrade path in particularly competitive markets. To maximize the economic viability of RFoG, network operators pay careful attention to the R-ONU, as it is the most expensive piece of equipment in the system on a cost-per-subscriber basis. The TAT6254D is an RFIC amplifier solution that minimizes R-ONU cost while maximizing performance and capability as part of an economic network approach.

"Subscribers continue to demand more services which require cable operators and MSOs to enhance their networks to keep current subscribers and win new customers," said Chris Day, TriAccess Technologies President and CTO. "The demarcation point into the home is the critical link to ensure a consistent signal that maximizes the value of the FTTH network. The TAT6254D amplifier provides RF services for cable operators using RFoG/DOCSIS, as well as those choosing to deploy other PON architectures."

The TAT6254D utilizes the latest advances in GaAs technology to create an integrated RFIC that provides significant noise reduction, gain improvement and a stable RF signal for high performance and cost-effective RFoG applications. The TAT6254D is expected to exceed RFoG requirements for future CATV systems.

### **Key Features of the TAT6254D**

- 30 dB Gain, Single Amplifier Chip solution, full 50-1002 MHz
- Supports both analog and all-digital modes
- -6 to +1 dBm optical input range
- Supports both optical and RF AGC gain control methods
- Better than 18 dB return loss
- Up to 20 dBmV/ch RF output
- 5 and 12 Volt powering options
- Better than -58 dBc Composite Second order and Composite Triple Beat distortion

### **About TriAccess Technologies**

TriAccess Technologies provides high-gain, low-noise, cost-effective RFIC solutions that address the expanding needs of global telecommunications, cable operators, satellite carriers and multiple system operators (MSOs). TriAccess' high-gain, low-noise RFICs improve system performance and lower the per-subscriber costs at multiple points throughout the delivery network. TriAccess RFIC's allow consumers to experience a growing lineup of services such as video on demand, enhanced HDTV content, voice over IP, digital voice applications and data services at a cost-effective price.

TriAccess Technologies is a privately-funded, fabless semiconductor company accelerating the rapid deployment of advanced digital video and high-speed data in CATV, Telco and Wireless networks. The company's products enable economic and

system design efficiencies through integration and higher performance. Founded in 2003, TriAccess currently has a global network of 18 strategic sales and distribution representatives and more than 70 customers for its family of RFIC products and is based in Santa Rosa, CA. For more information, visit the company's website at: [www.triacesstech.com](http://www.triacesstech.com).

**Contact:**

Brian Bauer  
TriAccess Technologies  
707-526-4498 x225  
[brian.bauer@tqs.com](mailto:brian.bauer@tqs.com)