



## **CIVCOM GOES FURTHER – INTRODUCING A HIGH PERFORMANCE 600KM TUNABLE TRANSPONDER FOR LONG HAUL NETWORKS**

**PETAH TIKVA, ISRAEL, APRIL 16, 2007 – CIVCOM® (www.civcom.com)**, a leading technology developer and manufacturer of Opto-electronic components, modules and subsystems, has currently expanded its transponder offerings for the optical data communications market by introducing its new **TT600 Transponder**. This 10Gbps widely tunable transponder has an optical dispersion tolerance enabling up to **600km reach**.

Civcom increases its leadership position in performance by extending transmission reach to 600km, while still maintaining high performance at back-to-back and maximum reach in a low OSNR environment.

As metro and regional rings increase in size, the cost of the first line deployment increases. Using Civcom's advanced Tunable Optical Dispersion Compensation technology and its Manageable Dispersion Compensation concept, the **TT600** offers a cost saving DCF-less *plug-and-play* alternative for future designed networks. This provides network implementation, cost reduction and storage area savings. In existing networks, the **TT600** can be a substitute to the countless fixed wavelength DWDM units employed in current telecom systems, substantially reducing deployment costs.

With the **TT600** tunable transponders installed, companies will now have the capability to begin providing 10Gigabit Ethernet and SONET services, supporting DWDM metropolitan, regional and long haul network applications.

This innovative product is used to minimize size and cost, still enabling the widest possible tuning range in telecommunications equipment, operating in both the C-Band and L-Band frequencies and incorporates into a DWDM line card.

In addition, the **TT600** contains a high speed dynamic power tracking circuit, enabling the receiver to handle large and fast incoming power, transient to the photodiode. 50GHz ITU grid wavelength spacing is available as well as various bit rates including SONET/SDH, 10G Ethernet, a Fiber Channel, and a FEC application, containing up to 11.3Gbps. Tuning the transponder wavelength and dispersion tolerance is possible through a standard I<sup>2</sup>C commands.

Using this product, Civcom can now offer its customers the opportunity to design their networks more efficiently with the latest state-of-the-art technology.

Civcom's **TT600** 10Gbps Transponder is now available for sample order.

### **About Civcom®**

Civcom is a pioneer in the development and manufacturing of cost-saving dynamic Opto-electronic components, modules and sub-systems, specializing in the field of 10Gbps and 40Gbps Telecom applications. Founded in 2000, with HQ and sales office in Israel and an office in the US, Civcom leads the way in the field of dispersion tolerance transmission providing solutions for some of the most advanced tunable transponders. Civcom's transponders integrate with Optical DuoBinary & Optical Dispersion Compensation technology, allowing a wide range of applications for networks reaching from 80km – up to 600km. Visit [www.civcom.com](http://www.civcom.com)

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