



Civcom Inc., Israel, is a pioneer in the development and manufacturing of cost-saving dynamic optical solutions for communications, test and measurement, and military applications. Civcom developed the industry's first ultra-fast solid-state optical switch using its patented Solid Free Space (SFS™) technology, as well as the world's first and smallest widely tunable 10 Gbps 300-pin MSA compliant transponder. Civcom's new addition to its product line is the ClassicT - the world smallest Tunable Optical Dispersion Compensator.

Compact Transponder

Civcom's Compact Transponder (CCT) is a long reach and extended long reach widely tunable transponder designed for DWDM applications. The transponder contains both a 10Gbps widely tunable transmitter and a wide band receiver. Civcom's Compact Transponder interface is compatible with the 300PIN MSA and I2C interface. The compact transponder uses a negative chirp Mach Zehnder Lithium Niobate modulator to enable operation across the entire C-band and over long distances.

Applications are in space limited linecards in D/CWDM systems, reconfigurable OADM's and of course sparing and inventory

- 50GHz spacing
- supports up to 11.3Gbps
- output power: +6dBm
- long reach: up to 120Km (incl. EDC circuitry)
- small size: 85x73x13.5mm

10G Duo Binary TODC Transponder

Civcom's DuoBinary-TODC Transponder is an extended long Reach widely tunable or fixed transponder designed for DWDM applications. The dispersion tolerance reaches 350km with the implication that any metro-ring with less than 350km span can be managed without external dispersion compensating modules and with fewer amplifiers. The TODC implemented in a DuoBinary System eliminates the back-to-back penalty that is introduced by common DuoBinary transmitters.

- zero back-to-back OSNR and power penalty
- 300-pin MSA package
- optional VOA and heatsink

