

## Product Brief

# TX294

## 10-Gb/s Cooled EML TOSA

### Overview

The Broadcom TX294 Series is a 10-Gb/s transmitter optical subassembly (TOSA) that integrates a high-speed electro-absorptive laser, a micro-TEC, and a monitor photodiode in a small form-factor coaxial package. It is designed for use in small form-factor pluggable transceivers and other types of optical modules for high-speed telecommunication and data applications including SONET OC-192, SDH STM-64, and 10-Gigabit Ethernet (10GbE).

The TOSA is available in TDM, C-band DWDM and CWDM wavelength channels, and it is qualified per the intent of Telcordia GR-468.

### Key Features

- Ultra small form-factor 8-pin
- Data rates up to 10.7 Gb/s
- For use up to 80 km
- Temperature stabilized
- Very low TEC power consumption
- 50Ω single-ended data input
- Case operating temperature range options: -5°C to +75°C and can extend to -40°C to +93°C

### Applications

- XFP, X2, XENPAK, SFP+, and other transceivers
- 300-pin transponders for SONET/SDH and 10GbE interfaces
- Line cards



### Ordering Information

Product Code	Description
AFCP-TX294ZSxxxP	10-Gb/s Cooled EML TOSA