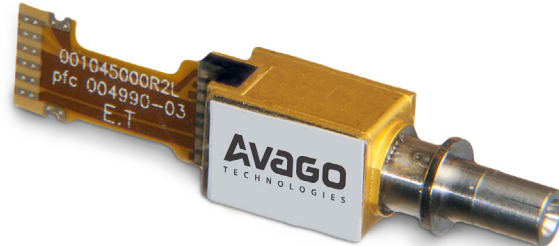


1625/26 - Series

XMD MSA-compatible 10 Gb/s Cooled EML TOSA



Product Brief



Description

The 1625 (40km) and 1626 (80km) - Series XMD MSA compatible 10 Gb/s transmitter optical subassembly (TOSA) integrates a high-speed electroabsorptive (EML) laser, a monitor photodiode and a micro-TEC in a small form-factor metallized ceramic package. It is designed for use in small form-factor pluggable (XFP) transceivers and other types of optical modules for high-speed telecommunication and data applications including WDM SONET OC-192, SDH STM-64 and 10 Gigabit Ethernet.

The 1625/26 -Series is available in the full range of C-band ITU-T wavelengths operating at 10 Gb/s per channel. The device exhibits excellent wavelength stability, supporting operation at 100 GHz channel spacing over 20 years (assuming an end-of-life aging condition of $<\pm 90$ pm), with low hazard rates (~ 100 FIT wearout over 20 yrs.).

The interleaved "C+ band" channels at 100GHz spacing, offset from the primary C-band grid by 50GHz, are also available.

Features

- Ultra small form-factor 8-pin XMD MSA TOSA
- Supports data rates up to 11.3Gb/s
- For use up to 80km (1600 ps/nm) at 10 Gb/s
- Up to +2 dBm typical optical output power
- Wavelength selectable to ITU-T standards covering the full C-band and C+ band
- Suitable for use in 100GHz channel spacing in DWDM systems
- Very low TEC power consumption
- LC, SC receptacle or pigtailed versions available
- 50 Ω single-ended data input
- Case operating temperature ranges:
 - 5 to +80°C (standard TDM versions)
 - 5 to +75°C (standard DWDM versions)
 - 40 to +90°C (extended temperature versions)

For product information and a complete list of distributors, please go to our web site: www.avagotech.com

Avago, Avago Technologies, and the A logo are trademarks of Avago Technologies in the United States and other countries.

CyOptics and the CyOptics logo are trademarks of CyOptics, Inc. in the United States and other countries.

Data subject to change. Copyright © 2005-2013 CyOptics, Inc. All rights reserved.

AV02-4117EN - June 5, 2013

