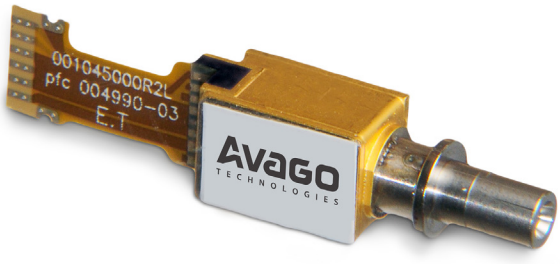
1625/26 - Series

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 Gibabit 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 <±90 pm), with low hazard rates (~100FIT 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
- 50Ω 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**

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