



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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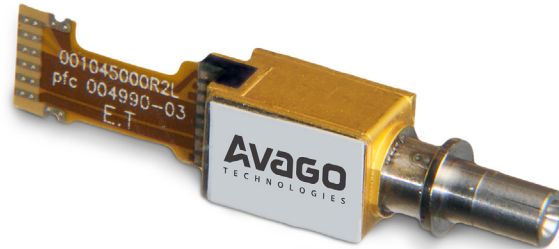


1655/ 56- Series

XMD MSA-compatible 10 Gb/s Cooled EML TOSA



Product Brief



Description

The 1655 (40km) and 1656 (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 SFP+ 10Gb/s transceivers and other types of optical modules for high-speed telecommunication and data applications.

The 1655/ 56 -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 (~100FIT wearout over 20 yrs.).

1655/ 56 -Series uses Avago's newest iteration of EML chip, which operates at a higher temperature than its predecessor, and therefore reduces TEC power dissipation when in cooling mode. Overall power dissipation in SFP+ and other transceivers can therefore be reduced significantly.

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 with extended channels
- Suitable for use in 100GHz channel spacing in DWDM systems
- Temperature stabilized
- Very low TEC power consumption
- LC receptacle, with standard and short flex options
- 50 Ω single-ended data input
- Case operating temperature ranges:
 - 5 to +75°C (standard)
 - 40 to +90°C (extended)

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

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