

SHORT TOSA

This special short TOSA (Transmitter Optical Subassembly) with Fabry-Perot (FP) or Distributed Feedback Laser (DFB) at 1310, 1490 or 1550 nm is designed for use in transceiver modules that operate over case temperatures from -40°C to +85°C and bit rates up to 2.5 Gbps. The very small and short size of the TOSAs is well suited for all small-form-factor applications. The devices feature high output power and wide operating temperature range.

Their uncooled, hermetically sealed, TO-46 style packages are a very cost-effective means of providing a light source for intermediate-reach and short-reach digital transmission applications.



General Specifications

Datarate	Wavelength	Lasertype
OC-3	1310 nm	FP
OC-3	1550 nm	FP
OC-3	1550 nm	DFB
OC-12	1310 nm	FP
OC-12	1310 nm	DFB
OC-12	1550 nm	DFB
GbE	1310 nm	FP
GbE	1310 nm	DFB
GbE	1550 nm	FP
GbE	1550 nm	DFB
OC-48	1310 nm	DFB
OC-48	1550 nm	DFB

Features

- Very small size due to micro-module technology
- Uncooled operation up to 85°C
- SC and LC versions available
- RoHS-6 compliant

Applications

- Transmitters and transceivers up to 2.5 Gbps
- Transmitters for SONET OC-3/OC-12/OC-48 and SDH STM-1/STM-4/STM-16
- 1Gb Ethernet
- Optical equipment

Applied Standards

- Telcordia GR-468-CORE
- ITU G.957 SDH
- IEEE 802.3



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