

VCSEL-1550-SM



SM 1550 nm VCSEL Pigtail with 2.5 Gbps

The 1550 nm single mode VCSEL is designed for high-speed, high-performance communication applications. Contact Optilab for more information.

Features

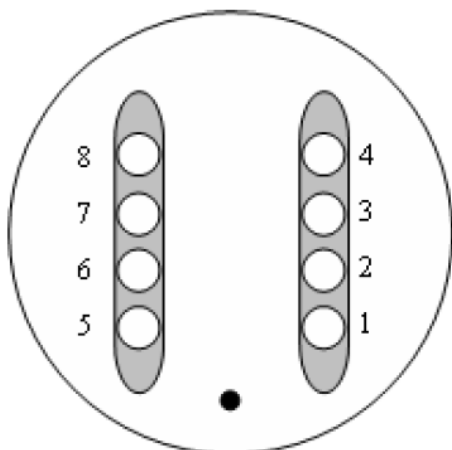
- Low dependence of electrical and optical characteristics over temperature
- Data rates up to 2.5 Gbps
- Cylindrical TO package with single mode fiber pigtail

Applications

- Access network for long distance (>2 km)
- Metro area network
- Gigabit Ethernet

TO-56 temp control/pigtail VCSEL

TO package bottom side view



Pin configuration

Number	Function
1	TEC cathode(-) for cool device
2	Thermistor
3	NA
4	VCSEL cathode/mPD anode
5	TEC anode(+) for cool device
6	Thermistor
7	mPD cathode
8	VCSEL anode

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OPTIONS

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TECHNICAL INFO

For technical info and support:

sales@optilab.com

www.optilab.com

WEB ORDER

To order, please visit OEQuest.com.



Optical Specifications	
Wavelength	1510 nm to 1570 nm
Threshold Current	2 mA typ., 4 mA max.
Forward Voltage	3 V
Series Resistance	100 Ω typ., 300 Ω max.
Output Power	0.4 mW min., 0.5 mW typ.
Side Mode Suppression	30 dB min., 35 dB max.
Rise and Fall Time	100-150 psec typ.
Monitor Current	0.05 mA min., 0.1 mA typ.
m-PD Dark Current	0.1 μ A
Absolute Maximum Ratings	
Forward Current	15 mA
Reverse Voltage	5 V
Operating Temperature	70 ° C
Reflow Temperature	260 ° C
TEC Maximum Current	0.7 A
Mechanical Specifications	
Operation Temperature Range	0° to +70° C
Storage Temperature Range	0° to +100° C
Dimensions	28 mm x 7 mm x 7 mm

Optilab Advantage Mechanical Drawing

- Innovation
- Performance
- Quality
- Customization
- Warranty

