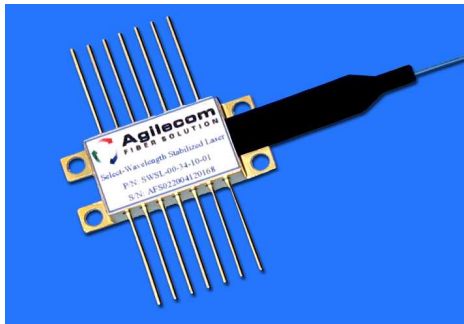


## Wavelength Specific Laser Sources (WSLS)



- Key Features**
- ITU wavelengths available
  - Up to 10mW for CW or up to 3.125G direct modulation
  - Low wavelength temperature coefficient
  - Accurate wavelength selections
  - High-reliability in 14pin butterfly package
  - Built-in optical isolator
  - Customized package (optional)
  - Polarization Maintaining Fiber (optional)

### Applications

- Long haul DWDM Systems
- LAN, WAN and Metro Networks
- CATV Transmission
- Instrumentation
- Others

### Compliance

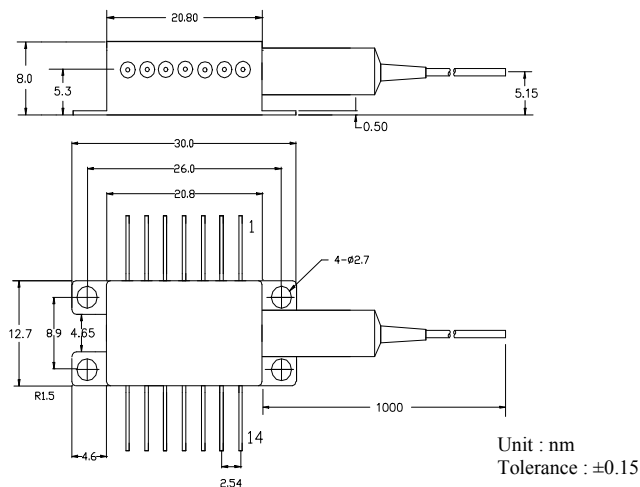
- Telcordia GR-468-CORE

Agilecom Wavelength Specific Laser Sources (WSLS) is specifically developed for Wavelength Division Multiplexing (WDM) systems, where it is used as a wavelength specific source in combination with an external modulator. The specific wavelengths comply with ITU recommendations, in wavelength range from 1260nm to 1620nm for customer's selection.

WSLS series laser is fabricated in a hermetically sealed 14-pin butterfly package that contains a laser diode, thermoelectric cooler (TEC), thermistor, monitor photodiode, optical isolator and unique pigtail system with fiber grating wavelength stabilizer with very accurate wavelength control. Customized packages of the laser sources with the same performance and qualification can also be manufactured.

WSLS series lasers have a high side mode suppression ratios, low relative intensity noise, and narrow linewidth. The output power is up to 10dBm. The lasers meet or exceed Telcordia GR-468-CORE reliability qualification requirement.

### Diagram



### Pin Information

Pin	Function
1	Thermistor
2	Thermistor
3	Laser dc Bias (Cathode) (-)
4	Back-facet Monitor Anode (-)
5	Back-facet Monitor Cathode (+)
6	Thermoelectric Cooler (+)
7	Thermoelectric Cooler (-)
8	Case Ground
9	Case Ground
10	Case Ground
11	Laser Anode (+) Ground
12	RF Laser Input Cathode (-)
13	Laser Anode (+) Ground
14	Case Ground

