

OSICS TLS-AG

LOW LINEWIDTH WDM TUNABLE LASER SOURCE



Delivers high output power and low linewidth thanks to external cavity design. Can be tuned to any wavelength in C-band. With more than +14 dBm (25 mW) output power, plus high power and wavelength stability, this laser is ideal for coherent WDM transmission testing.

SPEC SHEET

KEY FEATURES

Laser on and off in one click

Selection of pre-configured channel or any wavelength in the covered wavelength range

High power: +14 dBm

Ideal for optical amplifier testing or WDM test beds

Low linewidth: < 100 kHz

Polarization maintaining output for use with external modulator

L-band range available on request

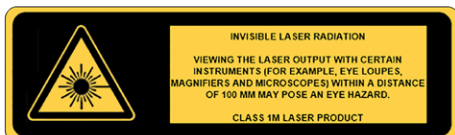
TECHNICAL SPECIFICATIONS

	TLS-AG-C
Grid selection	Adjustable to any wavelength grid (ITU-T 100 GHz, 50 GHz and arbitrary grid)
Frequency/wavelength range	196.275--191.125 THz 1527.41-1568.57 nm ^a
Output power ^b	25 mW (+14 dBm)
Power range (typical)	6 to 14.5 dBm
Relative frequency (wavelength) accuracy (typ.)	±0.5 GHz (±4 pm)
Absolute frequency (wavelength) accuracy (typ.) ^c	±1.5 GHz (±12 pm)
Frequency setting resolution	Down to 1 MHz
Tuning speed ^d	20 s (typ. between two channels)
Power stability ^e	±0.03 dB
Absolute output power deviation across tuning range	±0.2 dB
Instantaneous linewidth (FWHM)	< 100 kHz
Side mode suppression ratio	50 dB (typ.)
SSER (typ.) ^f	60 dB
RIN ^g	< -150 dB/Hz
Operating temperature range	15 to 35 °C (59 to 95 °F)
Optical interface	FC/APC connector on PMF PER > 20 dB
Control interface	Status LED, laser on/off button
Dimensions (W x H x D)	35 x 130 x 250 mm (single slot)
Weight	1 kg
Laser safety	Class 1M

Notes

- a. L-band available upon request.
b. +16 dBm available as an option
c. ±2.5 GHz (±22 pm) end of life.
d. 30 s max, including power stabilization.
e. At a constant temperature.
f. Integrated over a 0.1 nm band.
g. RIN within the range 100 MHz–20 GHz measured at 10 dBm output power with RBW = 30 kHz.

LASER SAFETY



ORDERING INFORMATION

OS-TLS-AG-XX-XX-58

Wavelength range ■

C = 1527.41–1568.57 nm

L = 1568.77–1610.06 nm ^a**Optical power output** ■

00 = standard optical power output

16 = +16 dBm optical power output ^b**Connector** ■

58 = FC/APC

Example: OS-TLS-AG-C-00-58

Notes

a. Call factory.

b. Not available with L wavelength range.

EXFO Headquarters > Tel.: +1 418 683-0211 | Toll-free: +1 800 663-3936 (USA and Canada) | Fax: +1 418 683-2170 | info@EXFO.com | www.EXFO.com

EXFO serves over 2000 customers in more than 100 countries. To find your local office contact details, please go to www.EXFO.com/contact.

EXFO is certified ISO 9001 and attests to the quality of these products. EXFO has made every effort to ensure that the information contained in this specification sheet is accurate. However, we accept no responsibility for any errors or omissions, and we reserve the right to modify design, characteristics and products at any time without obligation. Units of measurement in this document conform to SI standards and practices. In addition, all of EXFO's manufactured products are compliant with the European Union's WEEE directive. For more information, please visit www.EXFO.com/recycle. **Contact EXFO for prices and availability or to obtain the phone number of your local EXFO distributor.**

For the most recent version of this spec sheet, please go to www.EXFO.com/specs.

In case of discrepancy, the web version takes precedence over any printed literature.