

Product Brief

APPLICATIONS

- Gas Sensing
- Test and Measurement

FEATURES

- 14-pin Butterfly Package
- Up To 9 dBm Power
- U-band Tuning Range
- PM Fiber Output
- Integrated SOA

OVERVIEW

The FP3016c tunable laser consists of a monolithic Indium Phosphide chip that integrates a widely tunable laser with a semiconductor optical amplifier (SOA). The tunable laser is electronically tuned and can address any wavelength in the U-band. The integrated SOA facilitates flexible control of the output power and acts as a shutter when reverse biased, enabling dark tuning between channels. The device is packaged into a standard 14-pin butterfly package, with an internal optical isolator and a polarization maintaining fiber output.

SPECIFICATIONS

Parameter	min	typ	max	unit
Output Power	6	9		dBm
Wavelength Range	1625		1675	nm
Sidemode Suppression Ratio	35	40		dB
Linewidth		5	20	MHz
Relative Intensity Noise		-140	-135	dB/Hz
Operating Temperature	-5		75	°C
Fiber Connection				Single-mode Polarization Maintaining

