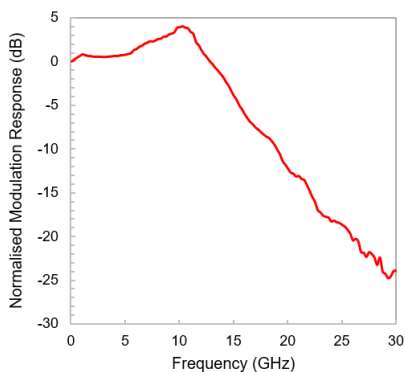


**Typical P-I Curve**



**Typical S21 - Modulation Response Curve**

### Typical Specifications

Wavelength	1525 – 1560 nm
Optical Power	min. 5 mW
Modulation Bandwidth (3 dB)	15 GHz (FP), 20 GHz (DFB)
Operating Current	40 – 60 mA
Forward Voltage	2 V
Input Impedance Matching	50 Ω

## High Bandwidth Lasers

Pilot Photonics offers FP and DFB lasers with a high modulation bandwidth above 15 GHz for applications that rely on high speed direct modulation. The laser is packaged in a 7-pin butterfly package with RF (K) connector.

### Features

- C-band wavelength
- CW output power > 5 mW
- High bandwidth > 15 GHz
- Fabry-Perot and distributed feedback lasers available
- Compact laser package with RF connector, built-in TEC, thermistor, and optical isolator
- Single mode or polarisation maintaining fibre coupled output

### Applications

- Direct modulation
- High speed optical communications
- Gain switching
- Radio over fibre
- Laboratory testing and measurement