

# FP3815 C-band Package

## High Power DFB



### Product Brief

#### FEATURES

- Single-frequency distributed feedback (DFB) laser chip
- Two different power options

#### APPLICATIONS

- Optical Fiber Communications
- RF Photonic Links
- Fiber Optic Testing
- Medical
- Sensing

#### Notes

1. Measured at 25C
2. Non-condensing
3. Measured at specified operating power
4. Measured using our Whisperdrive laser mount
5. Above 1GHz

#### OVERVIEW

The FP3815 1550 nm High Power Distributed Feedback (DFB) Laser is a high performance single spectral mode device that is available in 90 mW and 130 mW configurations. The laser package has an internal two-stage isolator and a polarization maintaining single mode fiber output.

#### SPECIFICATIONS

General Parameter	Value	Unit
Output Power in Fiber <sup>1</sup>		
FP3815a	>90	mW
FP3815b	>130	mW
Operating Current		
FP3815a	<500	mA
FP3815b	<1000	mA
Center Wavelength	1540 to 1560	nm
Case Temperature Operating Range <sup>2</sup>	10 - 55	°C
Case Temperature Storage Range <sup>2</sup>	-10 - 85	°C
SMSR <sup>3</sup>	>45	dB
Linewidth <sup>3,4</sup>	<300	kHz
RIN <sup>3,5</sup>	-150	dBc/Hz

