

FP3815 1550 nm High Power DFB Laser



Product Brief

APPLICATIONS

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

FEATURES

- > 160 mW chip output power
- > 100 mW package fiber output power
- High Efficiency
- Submount or packaged

OVERVIEW

The FP3815 1550 nm High Power Distributed Feedback (DFB) Laser is a high performance single spectral mode device generating more than 160 mW optical output power (> 100 mW out of a single mode fiber when packaged). The laser can be supplied on a Submount or in a Butterfly package with a single mode fiber output. Other packaging options are available, please contact Freedom Photonics to discuss your application requirements.

SPECIFICATIONS

Parameter	min	typ	max	unit
Operating Output Power - Laser on Submount	160	200		mW
Operating Output Power - Fiber Output - Packaged Laser	100	120		mW
Center Wavelength	1525	1550	1575	nm
Spectral Width (FWHM)		< 500		kHz
Peak EO Efficiency	15	20		%
Far-Field - Laser on Submount		10 x 39		degrees
Package Operating Temp	0	25	75	°C
Specifications at 25°C				

