

FP3615 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 FP3615 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 ¹		
FP3615a	>90	mW
FP3615b	>130	mW
Operating Current		
FP3615a	<500	mA
FP3615b	<1000	mA
Center Wavelength	1540 to 1560	nm
Case Temperature Operating Range ²	10 - 55	°C
Case Temperature Storage Range ²	-10 - 85	°C
SMSR ³	>45	dB
Linewidth ^{3,4}	<300	kHz
RIN ^{3,5}	-150	dBc/Hz



