

WHEN PERFORMANCE MATTERS

BLUE SKY RESEARCH

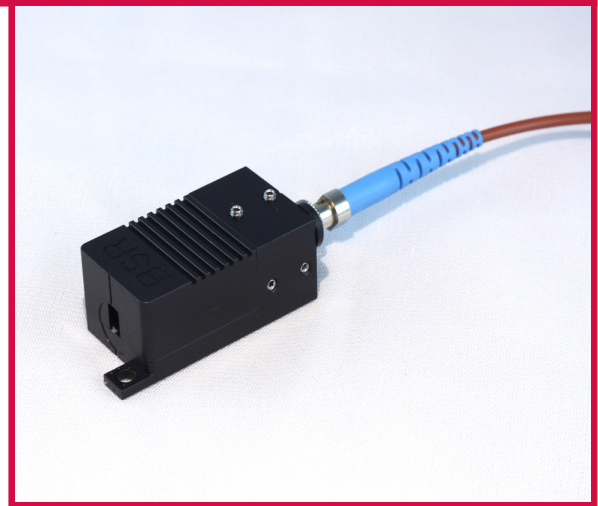
The FiberTec II Fiber Feedback Collimator (FFC) is the most stable & precise fiber-coupled laser available in the marketplace today. Long-term precision & power stability are achieved via an integrated assembly of collimation optics, precision power monitors and a low noise electrical feedback control loop which dynamically stabilizes the power level at the collimator exit.

FIBERTEC II FFC Fiber Feedback Collimator

0.5% Power Stability from Fiber Output

FFC FEATURES

- 0.5% P_{out} Stability with fiber output & collimator
- Miniature, low power consumption module
- Maintains polarization to 100:1 PER
- Configurable optics for easy OEM integration



FTEC II FFC PERFORMANCE SPECIFICATIONS

Parameters	Specification	Units	Conditions
Wavelength	405 - 785	nm	Multiple LD wavelengths
PER	20	dB	Within 4 degrees of Key
Beam Size	0.8, 1.2, 1.9	mm	Collimated
Power Stability	0.5, 1.0	%	1Hr, 24Hr
RMS Noise	0.5	%	20kHz to 2MHz
Beam Pointing Stability	≤5	μrad/°C	typical, 10C to 40C
Modulation	10 or 100*	kHz	Analog, in ACC mode

About Blue Sky Research

We engineer and manufacture semiconductor laser modules and systems in standard and custom configurations. Our goal is to deliver uncompromising performance at the best possible value.

For more information:
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