

Product Information

**Fiber-coupled laser diode modules
with integrated single mode fiber coupling**

VLK 0520 F, 20 mW @408 nm

RLK 6040 F, 40 mW @660 nm



VLK 0520 F and RLK 6040 F are new members of the laser diode modules LasNova-series 10 and 20, with integrated fiber coupling into a single mode polarization maintaining fiber. The pigtail style fiber coupling has a robust design and ensures long term stability of the output parameters. Various options for the output connector or collimation are available.

A modulation signal can be applied for amplitude modulation. Amplitude modulation is possible. The laser can be modulated analog up to 20 MHz, digital up to 100 MHz.

Other models are available with output at 445 nm, 473 nm, 635 nm or 680 nm.



Specifications

Wavelengths	408 nm or 660 nm Optional: 445 nm, 473 nm, 635 nm, 680 nm.
Nominal output power	20 mW @408 nm or 40 mW @660 nm
Output power stability during 8 h	$\pm 2\%$
Beam Quality M^2	< 1.2
Polarization	$> 100:1$
Noise (30 Hz ... 100 MHz)	$< 1\%$ rms

Options

- Different fiber connectors
- Collimated output
- Customized OEM versions

Applications

- Confocal microscopy
- Flow cytometry
- Cell sorting

