

0805 High Power Collimator

HCL5003

2000 nm High Power Far Field Collimator, PM, 100 W

The HCL5003 has very low insertion loss, high return loss and high stability & reliability. It can be used for research, pump laser and Q-switched laser.

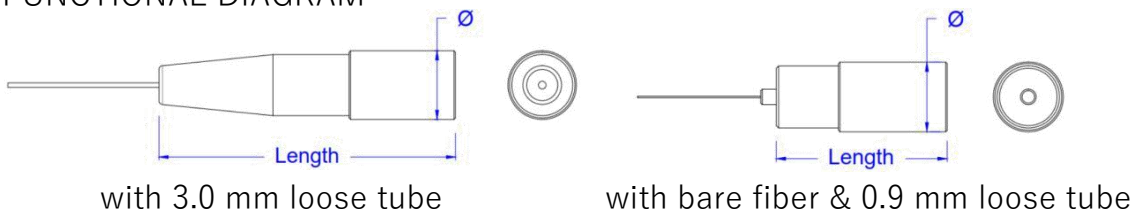
FEATURES

- High Return Loss
- Low Insertion Loss
- High Reliability & Stability

USE IN

- Research
- Pump Laser
- Q-Switched Laser

FUNCTIONAL DIAGRAM



Stage	Single Fiber
Center Wavelength	2000 nm
Working Distance	0.5 W, 1 W or Specified
Beam Diameter @1/e ²	1.0 mm, 2.0 mm or Specified
Beam Divergence (Far Field)	2.5 mrad max.
Beam Pointing Error	1.0 deg max.
Beam Roundness	90% min.
Insertion Loss at 23°C (Free Space Output)	0.4 dB typ.; 0.5 dB max.
Return Loss at 23°C	50 dB min.
Optical Power (CW)	100 W
Peak Power for ns Pulse	10 kW or Specified
Tensile Load	5 N max.
Operating Temperature	+10°C to +50°C
Storage Temperature	0°C to +60°C
Fiber Type	PM

* With connectors, the handling power is 1 W only, IL is 0.3 dB higher, RL is 5 dB lower, ER is 2 dB lower.
 * Connector key is aligned to slow axis.