

0905 High Power Collimator

HCL5003



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

The collimator 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

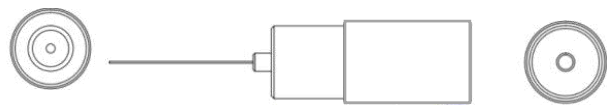
USE IN

- Research
- Pump Laser
- Q-Switched Laser

FUNCTIONAL DIAGRAM



with 3.0 mm loose tube



with bare fiber & 0.9 mm loose tube

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 (Free Space Output)	0.4 dB typ.; 0.5 dB max.
Return Loss	50 dB min.
Power Handling	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

* 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.

Order notes to our customers: The default parameters are as follows. For special needs, please contact sales.
1) Connector FC/APC, 900 um, 1 m by default for all devices except for high power devices.
2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.