

0803 Collimator

HCL5002



2000 nm High Power Far Field Collimator, PM, 10 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

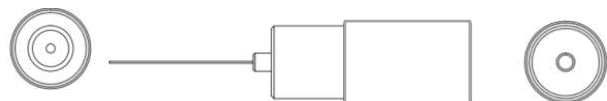
USE IN

- 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 | 10 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.