

# **High Power Collimator, HPCOLL**

#### Description

The high power collimators are basic optical parts of high power isolators. They're characterized with low insertion loss, high isolation, high power handling, high return loss, excellent environmental stability and reliability. They are ideal for fiber laser and instrumentation applications.

#### **Key Features**

- \* PM and Non-PM are available
- \* Excellent environmental stability and reliability
- \* Fiber can be customized

### Applications

- \* Fiber Laser
- \* Fiber Sensor

## Specifications



Parameter	High Power Collimator, HPCOLL						
Туре	Operating Wavelength (nm)	Working Distance(mm)	IL(dB)	RL(dB)	Power Handing(W)	Beam Diameter(mm)	Dimension Φ×L (mm)
Non-PM or PM	1310, 1550±50	5 or customized	≤0.35	≥50	1, 5, 10 or customized	0.5 or customized	(Φ)2.8× (L) 8 Or customized
	1064±15	50 or customized	≤0.45	≥50			

\* PM fiber length: 0.8m, Non-PM fiber length: 1.0m

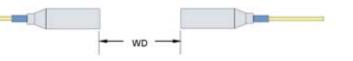
\* IL will be changed with the handling Power and working distance

\* RL will be changed with multimode fiber

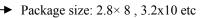
\*Package size depended on the handling power &beam diameter &fiber type

\* Working Distance (WD) is defined below:

### **Ordering Information**



#### HPCOLL-XXXX-X-X-X-X-XX\*XX



→ Power handling: 1=1W, 5=5W, 10=10W etc.

- → Power condition: C=Continue Working, P(1)=Pulse Peak Power (1kw)
- → Fiber type: Hi1060 , PM 980, 20/125 SCF etc.
  - Pigtail diameter: 0=250µm, 1=900µm, 2=2mm, 3=3mm
  - Operating wavelength: 1064nm, 1550nm etc.