

High Power Collimator, HPCOL



High power collimator

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.

Feature

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

Application

Fiber Laser
 Fiber Sensor

Specification

Parameter	High Power Collimator, HPCOLL						
	Operating Wavelength(nm)	Working Distance(mm)	IL(dB)	RL(dB)	Power Handling(W)	Beam Diameter (mm)	Dimension $\Phi \times L$ (mm)
Non-PM or PM	1310, 1550 \pm 50	5 or customize	\leq 0.35	\geq 50	1, 5, 10 or customize	0.5 or customized	(Φ)2.8 \times (L) 8 Or customized
	1064 \pm 15	50 or customized	\leq 0.45	\geq 50	customize		

- * 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

HPCOL-XXXX-X-X-X-X-XX*XX

WD

- Package size: 2.8× 8 , 3.2x10 etc
- 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.