

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 Type	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±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

- 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.