

High Power Far Field Collimator

Features

- Low insertion loss
- High return loss
- High stability and reliability

Applications

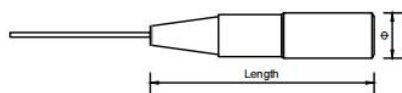
- Fiber optic amplifiers
- Pumped laser
- Q-Switched Laser

Specifications

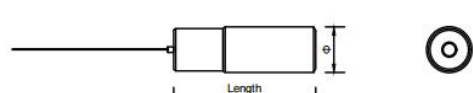
Parameters	Unit	Values
Type	/	Single Fiber Type
Center Wavelength	nm	1550, 1064 or Specify
Working Distance	m	Specify
Beam Diameter @1/e ²	mm	Specify
Beam Divergence (Far field)	mrad	<2.5
Beam Pointing Error	deg	<1.0
Beam Roundness	%	>90
Typ. Insertion Loss (Free space output)	dB	0.2
Max. Insertion Loss (Free space output)	dB	0.3
Min. Return Loss	dB	50
Max. Average Optical Power	W	10 or Specify
Max. Peak Power for ns Pulse	kW	10
Max. Tensile Load	N	5
Operating temperature	°C	+10 ~ +50
Storage Temperature	°C	0 ~ +60

With connectors, the handling power will be only 1W, IL is 0.3dB higher, RL is 5dB lower, and ER is 2dB lower.
The default connector key is aligned to slow axis.

Package Dimensions



with 3.0mm loose tube



with bare fiber & 0.9mm loose tube



Ordering Information

HPMCOIL-1111-2-3-4-555-67-8-99AA (PM Fiber Type) / HPCOLL-1111-2-3-4-555-67-8-99AA (SM Fiber Type)

1111 - Wavelength:	1550=1550nm, 1064=11064nm, 980=980nm,.....
2 - Beam Diameter:	0.5=0.5mm, 1.0=1mm, 2.5=2.5mm, S=Specify
333 - Working distance:	001=1cm, 010=10cm, 050=50cm, 100=100cm, SSS=Specify
4 - Package Dimension:	C=Customized
555 - Fiber Type:	001=PM1550, 003=PM980, 004=HI1060, SSS=Specify
6 - Pigtail Type:	0=bare fiber, 1=900um loose tube, 2=2mm cable, 3=3mm cable
7 - Connector Type:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, N=None, S=Specify
8 - Fiber Length:	0.75=0.75m, 1.0=1m, S=Specify
99 - Peak Power:	01=1W, 05=5W, 10=10W, SS=Specify
AA - Peak Power:	00=Continuous Wave, 10=10kW, 20=20kW