

High Power Expanded Beam Collimator

Features:

Low insertion loss
High Efficiency
stability and reliability

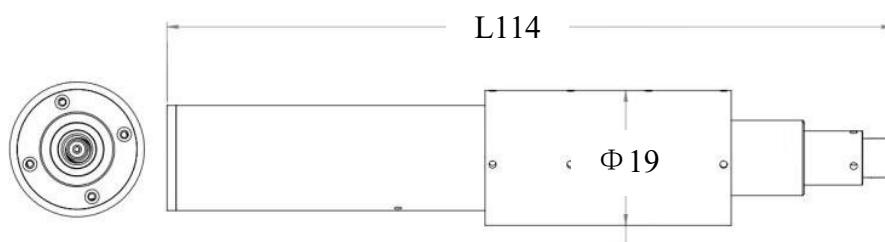
Application:

Wave Fiber Laser
High-Power Laser Equipment
Experimental tests and other areas

Parameter		Value	Unit	Note
Operating Wavelength		1064	nm	
Insertion Loss		≤ 0.3	dB	
Return Loss		≥ 50	dB	
Beam Diameter ($1/e^2$)		1.5 ± 0.2	mm	
Ellipticity		≥ 95	%	
M^2 Degradation		< 10	%	
Divergence (Full Angle)		< 1.5	mrad	
Fiber Type		CSM PM35/250	-	
$\Phi 3$ mm Armored Cable Length		0.55	m	
$\Phi 0.9$ mm Loose Tube Length		0.65	m	
Fiber Length		1.0	m	
Max. Power Handling	Average	50	W	
	Pulse Peak	/	kW	
Operating Temperature		$-5 \sim +50$	$^{\circ}\text{C}$	
Storage Temperature		$-20 \sim +70$	$^{\circ}\text{C}$	
Dimensions ($\Phi \times L$)		$\Phi 19 \times 114$	mm	

*Insertion loss of light through fiber cladding is not included in the Insertion loss specification.

Mechanical Dimension



Ordering Information

GCHPPMECOLL-C-1-2-3-4-5-6+CPS

	Lens Type	C-CLens ;G-GLen
1	Operating Wavelength	1310=1310nm, 1550=1550nm, C=1528~1565, L=1570~1605, etc
2	Handling Power	10W 20W 50W 100W , etc
3	Fiber Type	CSM PM35/250
4	Beam Diameter	1.5 ± 0.2 , etc.
5	Package	19x114, etc.
6	Bare Fiber Length With Loose Tube	01 - 1m 02 - 2m etc.