

High Power Expanded Beam Collimator

Features:

Low insertion loss
High Efficiency
stability and reliability

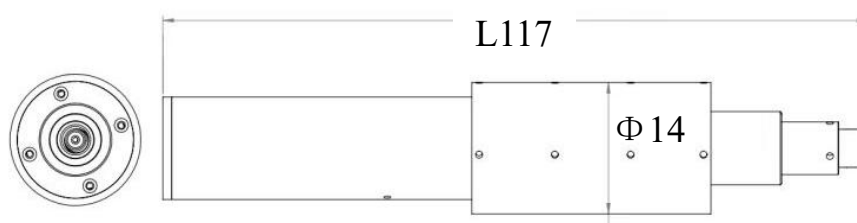
Application:

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

Parameter		Value	Unit	Note
Operating Wavelength		1064±40	nm	
Insertion Loss		≤0.3	dB	
Return Loss		≥50	dB	
Beam Diameter (1/e ²)		3±0.2	mm	
Ellipticity		≥95	%	
M ² Degradation		<10	%	
Divergence (Full Angle)		<1.5	mrad	
Stripping Efficiency		≥10	dB	
Stripping Cladding Power		<2	W	
Fiber Type		LMA-GDF-20/130-M	-	
Φ3mm Armored Cable Length		0.4	m	
Φ0.9mm Loose Tube Length		0.45	m	
Fiber Length		1.5	m	
Max. Power Handling	Average	50	W	
	Pulse Peak	/	kW	
Operating Temperature		-40 ~ +60	°C	
Storage Temperature		-55 ~ +70	°C	
Dimensions (Φ*L)		Φ14x117	mm	

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

Mechanical Dimension



Ordering Information

GCHPECOLL-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	LMA-GDF-20/130-M
4	Beam Diameter	3±0.2, etc.
5	Package	14x117, etc.
6	Bare Fiber Length With Loose Tube	01 - 1m 02 - 2m etc.