

Single Fiber Collimator (COLL)

Features:

Low insertion loss
High Efficiency
stability and reliability

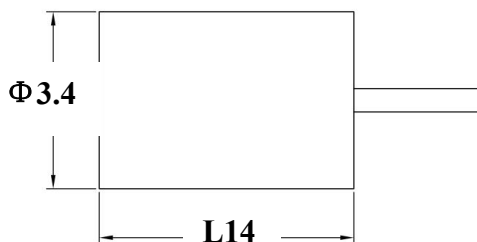
Application:

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

Parameter		Value	Unit	Note
Operating Wavelength		1040	nm	
Insertion Loss		≤ 1	dB	
Return Loss		≥ 45	dB	
Beam Diameter ($1/e^2$)		≤ 1	mm	
Ellipticity		-	%	
M ² Degradation		-	%	
Divergence (Full Angle)		-	mrad	
Fiber Type		10/125-DC-0.08/0.46NA	-	
$\Phi 3$ mm Armored Cable Length		-	m	
$\Phi 0.9$ mm Loose Tube Length		-	m	
Fiber Length		1.0	m	
Max. Power Handling	Continue	3	W	
	Pulse Peak	10	kW	
Operating Temperature		0~+70	°C	
Storage Temperature		-40~+85	°C	
Dimensions ($\Phi \times L$)		$\Phi 3.4 \times 14$	mm	(glass tube)

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

Mechanical Dimension



Ordering Information

GCOLL-C-1-2-3-4-5-6

	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	10/125-DC-0.08/0.46NA
4	Beam Diameter	≤ 1 mm
5	Package	3.4x14, etc.
6	Bare Fiber Length With Loose Tube	01 - 1m 02 - 2m etc.