

High Power Expanded Beam Collimator

Features:

Low insertion loss
High Efficiency
stability and reliability

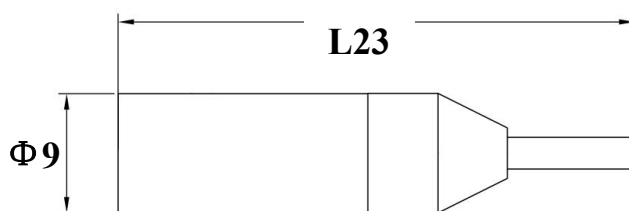
Application:

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

Parameter		Value	Unit	Note
Operating Wavelength		1064±10	nm	
Insertion Loss		≤0.3	dB	
Return Loss		≥45	dB	
Beam Diameter (1/e ²)		0.3±0.1	mm	
Ellipticity		≥92	%	
M ² Degradation		-	%	
Divergence (Full Angle)		0.78-1.03	mrad	
Fiber Type		Lekki-Passive-25/250DC-0.07/0.48NA	-	
Φ3mm Armored Cable Length		0.21	m	
Φ0.9mm Loose Tube Length			m	
Fiber Length		1.0	m	
Max. Power Handling	Average	4.5	W	Input
	Pulse Peak	30	kW	
Operating Temperature		-5 ~ +50	°C	
Storage Temperature		-20 ~ +70	°C	
Dimensions (Φ×L mm)		Φ9x23	mm	

Φ9x23 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	Lekki-Passive-25/250DC-0.07/0.48NA
4	Beam Diameter	0.3±0.1, etc.
5	Package	9x23, etc.
6	Bare Fiber Length With Loose Tube	01 - 1m 02 - 2m etc.