



Introduction

Rayzer's **Single Mode Collimator(C)** series products, are pig-tailed GRIN collimators with a pre-assembled variation of our GRIN lenses and glass ferrules, with either single mode or multi-mode fiber pigtails. It can convert the transmitted light in the fiber into collimated parallel light, or couple the external parallel or approximately parallel free-space light into a single-mode fiber.



Specification

Parameters	Unit	Values	
Center Wavelength	nm	1064	1310/1550
Operating Wavelength Range	nm	±30	±30
Working Distance	mm	5 or Specify	5 or Specify
@5mm(Typ. Insertion Loss)	dB	0.25	0.2
@5mm(Max. Insertion Loss)	dB	0.3	0.25
Min. Return Loss	dB	60	60
Handing Power	mW	300	500
Max. Tensile Load	N	5	5
Fiber Type	-	Hi1060	SMF28e
Working Temperature	°C	-5 to +70	-5 to +70
Storage Temperature	°C	-40 to +85	-40 to +85

*IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

*Above specifications are for device without connector and may change without notice.

Ordering Information

C-①-②-③-④-⑤-⑥-⑦-⑧

①Central Wavelength	②Lens Type	③Working Distance	④Package Dimension	⑤Fiber Type	⑥Fiber Length	⑦Fiber Jacket	⑧Connector
1064-1064nm	G-G lens	50-50mm	S-Specify	Hi1060-Hi1060	1-1M	0-Bare Fiber	FU-FC/PC
1550-1550nm	S-Specify	100-100mm		SMF28e-SMF28e	S-Specify	1-900μm Loose Tube	FA-FC/APC
2000-2000nm		500-500mm		S-Specify		2-2mm Cable	S-specify
S-Specify		S-Specify					