

Optical Collimator-Single Mode Fiber



Fiber Optical Collimator is a basic element for inline fiber optic component. Pigtailed single mode and polarization maintaining fiber collimator that used C lens and Grin lens are available. High quality AR coating will enable collimator to handle high power.

Specification

Parameter	Unit	Value							
Center Wavelength	nm	450	532	630	780, 850	980, 1030, 1064	1310, 1450, 1480, 1550	1950	
Bandwidth	nm	±20	±20	±20	±20	±20	±30	±30	
Working Distance	mm	5, 10, 20, 30, ..., 100, or Specify							
Max. Insertion Loss		1.2	0.8	0.7	0.4	0.3	0.25	0.25	
Min. Return Loss	dB	55				60			
Fiber Type		HP460	HP460	HP630	HI780 or HP780	HI1060	SMF-28e	HP1950 or SMF-28e	
Max. Optical Power (CW)	mW	300					500		
Package Dimension		Glass tube: 1.4x 7mm, 2.78x9.0 Metal holder: 1.8x7mm or 2.4x10mm, 3.2x10							
Operating Temperature	°C	-5 to +70							
Storage Temperature	°C	-40 to +85							

Above specification is for device without connector.

Device with connectors, IL will be 0.3dB higher, RL will be 5dB lower.

Package Dimension

		Metal Holder	Glass Tube	
	DD (for 1.8mm Lens Dia)	∅3.2±0.02	∅2.78±0.01	
	L (for 1.8mm Lens Dia)	10±0.1	9.0±0.1	

Unit in mm