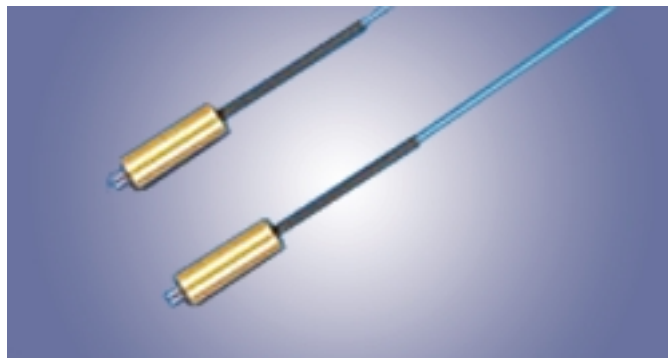




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Fiber Optic Collimators

Fiber Optic Collimator is designed to focus the light exiting a fiber to a specific beam diameter or spot size. It can be used in various active and passive optical components including fiber optic sensors, Erbium-doped fiber amplifiers (EDFAs), dense wavelength division multiplexer (DWDM), circulators and isolators.



Types

- Single-mode Fiber Collimators
- Polarization Maintaining Fiber Collimators

Applications

- EDFAs, DWDM
- Fiber optic sensors
- Photonic switches
- Isolators
- Circulators
- Couplers
- Test and measurement systems

Features

- Low insertion loss
- Low polarization dependence loss
- High extinction ratio (for PM-collimators)
- Excellent return loss
- Wide bandwidth
- Long working distance
- Environmentally Stable



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SPECIFICATIONS

Single-mode Fiber Collimators

Parameter	Values		Units
Central Wavelength	1310, 1550 or Specify	975, 1064	nm
Spectral Bandwidth	+/-30	+/-20(975), +/-30(1064)	nm
Insertion Loss	0.2(Typ) 0.25(Max)	0.25(Typ) 0.3(Max)	dB
Return Loss	>60	>55(975), >60(1064)	dB
PDL	<0.02	<0.02	dB
Fiber Type	SMF-28	HI 1060 Fiber	
Optical Power	300	200	mW
Tensile Load	5	5	N
Operating Temperature	-5 to +70	-5 to +70	°C
Storage Temperature	-40 to +85	-40 to +85	°C
Working Distance	5 or Specify	5 or Specify	mm

*Above specifications are for device without connectors.

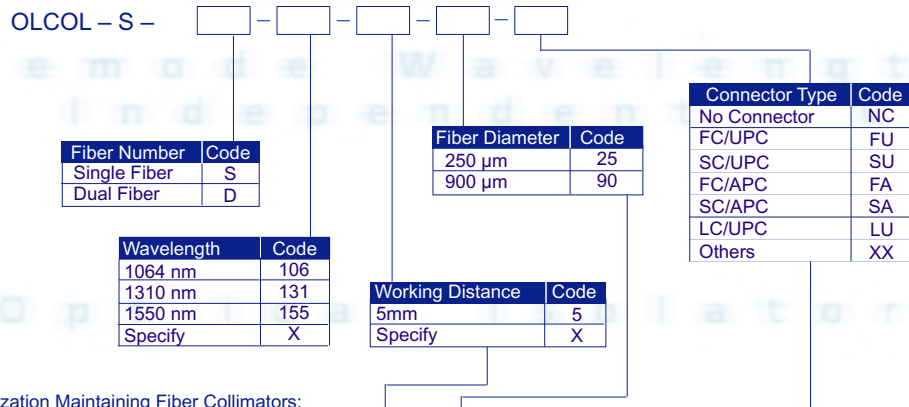
Polarization Maintaining Fiber Collimators

Parameter	Single Fiber		Units
Central Wavelength	1310, 1550	1064	nm
Spectral Bandwidth	+/- 30	+/- 30	nm
Working Distance	5 or Specify	5 or Specify	mm
Insertion Loss @5mm	0.2(Typ), 0.25(Max)	0.25(Typ), 0.3(Max)	dB
Extinction Ratio	25(Typ), 22(Min)	25(Typ), 22(Min)	dB
Min. Return Loss	60	60	dB
Tensile Load	5	5	N
Fiber Type	PM Panda Fiber	PM 980 Panda Fiber	--
Operating Temperature	-5 to +70		°C
Storage Temperature	-40 to +85		°C

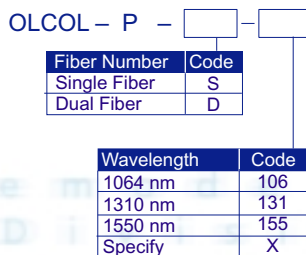
*Above specifications are for device without connectors.

ORDERING CODES

Single Mode Fiber Collimators:



Polarization Maintaining Fiber Collimators:



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