



Single Fibre/Dual fibre Collimator (COLL)



Overview:

Collimators are the basic parts for micro optical component like DWDM filter, isolator, circulator, and optical switch.

Features:

- * Low insertion loss
- * High return loss
- * High stability and reliability

Applications:

- * Micro optical component

Specification:

Parameter	Type	Single Fiber		Dual Fiber	
		P	A	P	A
Operating wavelength (nm)		1310 or 1550, others on request			
Operating bandwidth (nm)		±50		±50	
Insertion loss (dB)		< 0.15	< 0.2	< 0.2	< 0.25
Return loss (dB)		> 65	> 60	> 60	> 55
Power handling (mW)		< 500			
Operating temperature (°C)		-40 ~ +85			
Storage temperature (°C)		-40 ~ +85			
Fiber lead length (m)		2.0			
Beam diameter (mm)		< 0.45			
Dimensions (mm)**		φ 3.2 × L10 or φ 2.4 × L12			

*The above specification is without connector.

*Other specifications can be made on customer request.

Ordering Information:

COLL-X-X-XXXX-X-XX/XXX

- └─ Pigtail Type : 0=250μm, 1=900μm
- └─ Grade : P=Premium; A=Grade A
- └─ Operating Wavelength : 1310, 1550, X=others
- └─ Type : 0=SM, 1=flexcore, 2=50/126, 3=62.5/125, 4=others
- └─ Configuration : S=Single fiber, D=Dual fibers