

Single Mode Dual Fiber Collimator

Features:

- Low Insertion Loss
- High Return Loss
- Telcordia Compliant
- Epoxy-Free in Optical Path

Applications:

- DWDM
- Switches
- Isolators
- Circulators

Specifications:

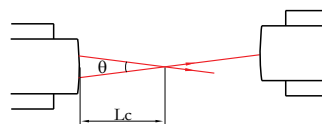
Parameter	Unit	Grade "A"			
Type		Transmission Type		Reflection Type	Crossing Type
Working Distance	mm	<20	20~100	2Lc	2Lc
Central Wavelength (λ_c)	nm	1310, 1550 and others			
Insertion Loss ¹ (λ_c , 23 °C)	Max. dB	0.20	0.25	0.20	0.35
Return Loss	Min. dB	60			
Beam Divergence	Max. degree	0.20			
Beam Waist	Max. mm	0.50			
Cross Length ² (Lc)	mm	2.4 +/- 0.1			
Cross Angle (θ)	degree	3.0 +/- 0.1			
Housing Diameter (O.D.)	mm	2.80 - 0.02/- 0.05 (without metal tube) 3.20 +/- 0.02 (with metal tube)			
Housing Length (L)	mm	9.0 +/- 0.1			
Fiber Type		Corning SMF-28			
Fiber Length	Min. m	1.5			
Tensile Load	Min. N	5			
Power Handling ³	Max. mW	500			
Operating Temperature	°C	0~70			
Storage Temperature	°C	- 40~85			

1. Measurement: See above application sketches.

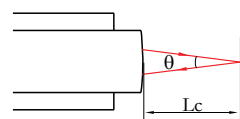
2. Cross length/angle 3.0mm /2.4 deg /3.8deg and other options are available upon request.

3. Power handling up to 2,000mW is available upon request.

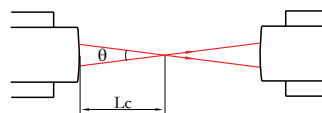
Note: Other specifications are available upon request.



Transmission Type (abbr. "T")



Reflection Type (abbr. "R")



Crossing Type (abbr. "X")

Dimension:

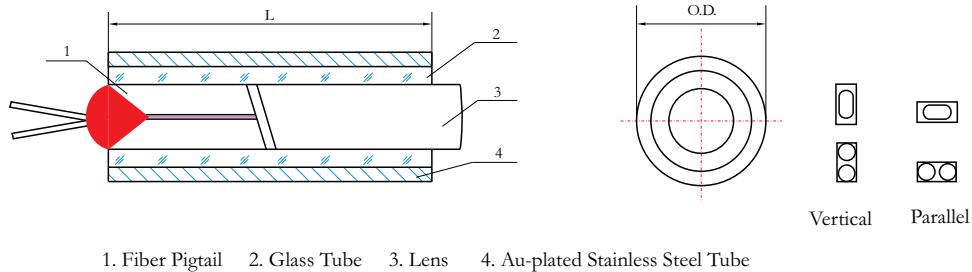


Figure 1. Single Mode Dual Fiber Collimator

Order Information:

XXXX - X - XXXX - X - XXXX - X - XX(X) - XX - X
 A B C D E F G H

	KCDT	Transmission Type
	KCDR	Reflection Type
	KCDC	Crossing Type
A	Grade	A=Grade "A" S=Custom
B	Fiber Type	250S=250 μm bare fiber
C	Pigtail Type	P=Parallel V=Vertical
D	Wavelength	1310=1310 nm 1550=1550 nm
E	Metal Tube	N=None Y=With
F	Working Distance ("T" Type)	005=5 mm
		020=20 mm
		100=100 mm
Cross Length ("R" or "X" Type)	19=1.9 mm	
	24=2.4 mm	
G	Lens Type	C=C-Lens
H	Connector	N=W/O connector
		Y=With connector ¹

1. Please specify the type of connector when ordering.