

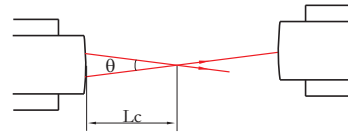
Mini Size Single Mode Dual Fiber Collimator

Features:

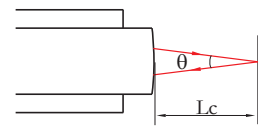
- Low Insertion Loss
- High Return Loss
- Telcordia Compliant
- Epoxy-Free in Optical Path
- RoHS Compliant

Applications:

- DWDM
- Switches
- Isolators
- Circulators



Setup 1. Transmission Type (abbr. "T")



Setup 2. Reflection Type (abbr. "R")

Specifications:

Parameter	Unit	Grade "A"				
Type		Transmission Type		Reflection Type		
Working Distance	mm	<20	20~60	2Lc		
Central Wavelength (λ_c)	nm	1310 or 1550				
Working Wavelength (23°C)	nm	1310+/-40 or 1550+/-40				
Cross Length (Lc)	mm	NA	NA	1.6+/-0.2	1.9+/-0.2	
Cross Angle (θ)	degree	NA	NA	4.3+/-0.2	3.7+/-0.2	
Insertion Loss ^{1,2} (λ_c , 23°C)	Typ.	dB	0.20	0.30	0.30	0.30
	Max.	dB	0.25	0.35	0.35	0.35
Return Loss ² (λ_c , 23°C)	Min.	dB	60	60	60	60
Beam Waist	Max.	mm	0.50			
Housing Diameter (O.D.)	Typ.	mm	1.4, 1.8 (glass tube)			
			1.3, 1.8 (metal tube)			
Housing Length (L)	Typ.	mm	8.0			
Fiber Type	250 μ m Corning SMF-28e bare fiber					
Fiber Length	Min.	m	1.5			
Tensile Load	Min.	N	5			
Power Handling	Max.	mW	500			
Operating Temperature			°C			0~70
Storage Temperature			°C			-40~85

1. Transmission type and reflection type specs are measured by setup 1 & 2 respectively.
 2. All specs are measured without connectors, IL is 0.20dB higher with xx/APC connectors, RL 5dB lower with xx/APC connectors; IL 0.25dB higher with xx/UPC and xx/PC connectors, RL 10dB lower with xx/UPC and xx/PC connectors.
- Note: Other specs are available upon request.

Dimension:

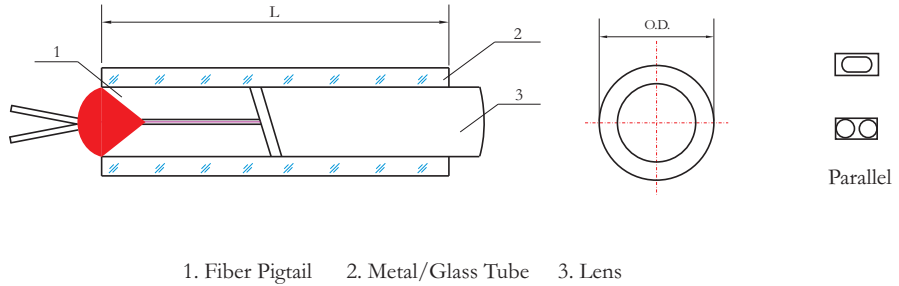


Figure 1. Mini Size Single Mode Dual Fiber Collimator

Order Information:

$\text{XXXX} - \text{X} - \text{XXXX} - \text{X} - \text{XXXX} - \text{X} - \text{XX} - \text{XX}(\text{X}) - \text{X} - \text{XX}$
 A B C D E F G H I J

A	Collimator Type	KMDT=Transmission Type KMDR=Reflection Type
B	Grade	A=Grade "A" S=Custom
C	Fiber Type	250S=250μm bare fiber
D	Pigtail Type	P=Parallel
E	Wavelength	1310=1310nm 1550=1550nm
F	Tube	M=Metal G=Glass
G	Housing Diameter	13=1.30mm
		14=1.40mm
		18=1.80mm
H	Working Distance ("T" type)	005=5mm
		020=20mm
	Cross length ("R" type)	16=1.6mm 19=1.9mm
I	Lens Type	C=C-Lens
J	Connector	NN=W/O connector
		XY=With connector ¹

1. Please specify the type of connector as below when ordering.

Mechanical Type	Other	SC	FC	ST	MU	LC
X	0	1	2	3	4	5
Physical Contact Type	Other	PC	UPC	APC		
Y	0	1	2	3		