

Mini Size Single Mode Single Fiber Collimator

Features:

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

Applications:

- Mini Isolators
- Mini Circulators
- Matrix Switches



Specifications:

Parameter		Unit	Grade "A"		
Working Distance ¹		mm	<20	20~50	50~100
Central Wavelength (λ_c)		nm	1310, 1550 and others		
Insertion Loss ² (λ_c , 23 °C)	Max.	dB	0.20	0.25	0.30
Return Loss (λ_c , 23 °C)	Min.	dB	60	60	60
Pointing Accuracy	Max.	degree	1.0	1.0	1.0
Beam Divergence	Max.	degree	0.30	0.30	0.15
Beam Waist	Max.	mm	0.35	0.40	0.50
Housing Diameter (O.D.) ³		mm	1.30,1.80 +0/- 0.04 (with metal tube)		
			1.40,1.80 +0/- 0.04 (with glass tube)		
Housing Length (L)		mm	8.0+/- 0.1		
Fiber Type			Corning SMF-28		
Fiber Length	Min.	m	1.5		
Tensile Load	Min.	N	5		
Power Handling ⁴	Max.	mW	500		
Operating Temperature		°C	0~70		
Storage Temperature		°C	- 40~85		

1. 100~150mm, 150~200mm is also available.

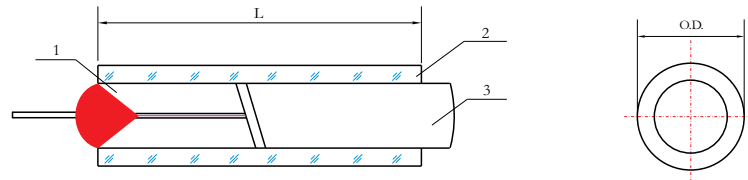
2. Measured with a pair of collimators.

3. 1.00mm is also available.

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

Note: Other specifications are available upon request.

Dimension:



1. Fiber Pigtail 2. Metal/Glass Tube 3. Lens

Figure 1. Mini Size Single Mode Single Fiber Collimator

Order Information:

KMSC - $\frac{X}{A}$ - $\frac{XXXX}{B}$ - $\frac{XXXX}{C}$ - $\frac{X}{D}$ - $\frac{XX}{E}$ - $\frac{XXX}{F}$ - $\frac{X}{G}$ - $\frac{X}{H}$

A	Grade	A=Grade "A"
		S=Custom
B	Fiber Type	250S=250 μm bare fiber
		900L=900 μm loose tube ¹
		900T=900 μm tight buffer fiber
C	Wavelength	1310=1310nm
		1550=1550nm
D	Tube	M=Metal
		G=Glass
		N=W/O tube
E	Housing Diameter	10=1.00 mm
		13=1.30 mm
		14=1.40 mm
		18=1.80 mm
F	Working Distance	005=5 mm
		020=20 mm
		050=50 mm
		100=100 mm
G	Lens Type	C=C-lens
H	Connector	N=W/O connector
		Y=With connector ²

1. Please specify the length of loose tube.
 2. Please specify the type of connector when ordering.