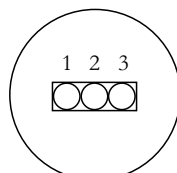


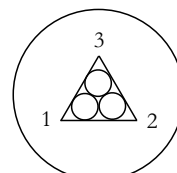
Multi Fiber Collimator

Features:

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



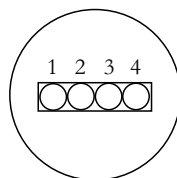
KC3R



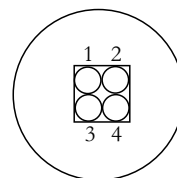
KCTR

Applications:

- DWDM
- Switches
- Isolators
- Circulators



KC4R



KCQR

Specifications:

Parameter	Unit	Grade "A"			
		3-fiber Collimator		4-fiber Collimator	
Type		KC3R	KCTR	KC4R	KCQR
Working Distance	mm	2Lc			
Central Wavelength (λ_c)	nm	1310, 1550 and others			
Insertion Loss ¹ ($\lambda_c, 23^\circ\text{C}$)	Max. dB	0.40	0.35	0.45	0.40
Return Loss ($\lambda_c, 23^\circ\text{C}$)	Min. dB	55			
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	Determined by application			
Housing Diameter (O.D.)	mm	2.8 - 0.02/- 0.05 (without metal tube)			
		3.2 +/- 0.02 (with metal tube)			
Housing Length (L)	mm	9.0			
Fiber Type ³		Corning SMF-28			
Fiber Length	Min. m	1.5			
Tensile Load	Min. N	5			
Power Handling	Max. mW	500			
Operating Temperature	$^\circ\text{C}$	0~70			
Storage Temperature	$^\circ\text{C}$	- 40~85			

1. Measurement: See above application sketches. 2→1, 2→3 for 3 fiber collimator and 1→4, 2→3 for 4 fiber collimator.

2. Cross length 3.0mm, 1.9mm and other options are available upon request.

3. Other types of fibers such as multi-mode fiber are also available upon request.

Note: Other specifications are available upon request.

Dimension:

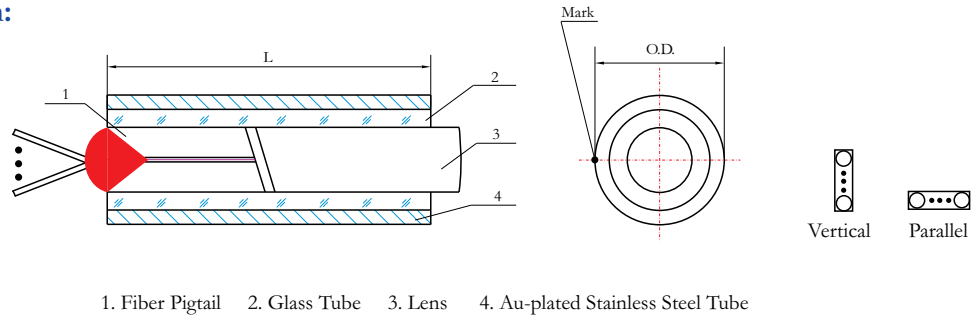


Figure 1. Multi Fiber Collimator

Order Information:

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

A	Collimator Type	KC3R=3-fiber in-line
		KCTR=Triangle type
		KC4R=4-fiber in-line
		KCQR=Quad type
B	Grade	A=Grade "A" S=Custom
C	Fiber Type	250S=250 μm bare fiber
D	Pigtail Type	P=Parallel
		V=Vertical
E	Wavelength	1310=1310nm
		1550=1550nm
F	Metal Tube	N= None
		Y=With
G	Cross length	19=1.9 mm
		24=2.4 mm
H	Connector	NN=W/O connector
		XY=With connector ¹

1. Please specify the type of connector 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		