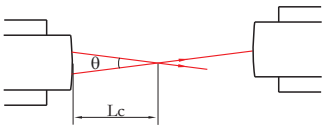
PHOTOP

Sub-component

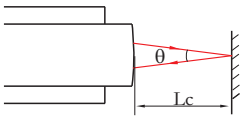
PM Dual Fiber Collimator

Features:

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



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



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

Applications:

- DWDM
- Coherent Optics
- Isolators

Specifications:

Parameter		Unit	Grade "A"					
			Standard Size				Mini Size	
Type			Transmission Type		Reflection Type	Transmission Type		Reflection Type
Working Distance		mm	<20	20~100	2Lc	<20		2Lc
Central Wavelength (λc)		nm	1310 or 1550					
Working Wavelength (23°C)		nm	1310+/-40 or 1550+/-40					
Cross Length (Lc)		mm	NA	NA	2.0+/-0.2	2.5+/-0.2	NA	1.7+/-0.2
Cross Angle (θ)		degree	NA	NA	3.6+/-0.2	2.9+/-0.2	NA	4.3+/-0.2
Insertion Loss[1,2] (λc, 23°C)	Typ.	dB	0.25	0.30	0.30	0.30	0.30	0.45
	Max.	dB	0.30	0.35	0.35	0.35	0.35	0.50
Return Loss[2] (λc, 23°C)	Max.	dB	55			55		
Extinction Ratio[2] (λc, 23°C)	Min.	dB	23			20		
Housing Diameter (O.D.)	Typ.	mm	2.80 (glass tube)			1.40, 1.80 (glass tube)		
			3.20 (metal tube)			1.30, 1.80 (metal tube)		
Housing Length (L)	Typ.	mm	9.0			8.0		
Fiber Type			400μm Panda					
Fiber Length	Min.	m	1.0					
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, ER is 3dB lower with connectors.

Note: Other specs are available upon request.

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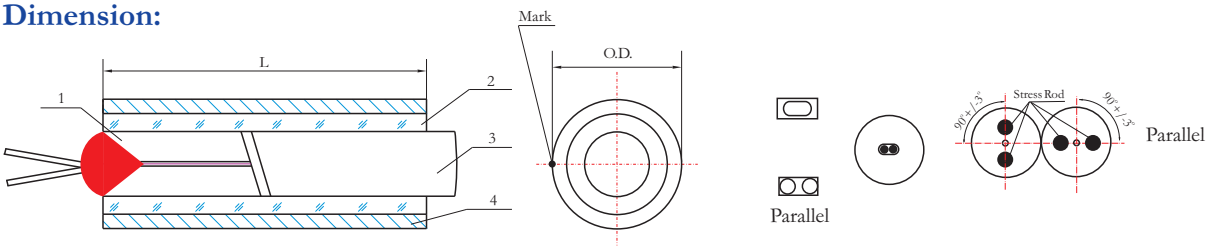
Dimension:



1. Fiber Pigtail 2. Glass Tube 3. Lens 4. Au-plated Stainless Steel Tube

Figure 1. PM Dual Fiber Collimator

Order Information:

XXXX - X - XXX - X - XXXX - X - (XX) - XX(X) - X - XX

A B C D E F G H I J

A	Collimator Type	KPMT=Transmission Type
		KPMR=Reflection Type
		PMMT=Mini Size Transmission Type
		PMMR=Mini Size Reflection Type
B	Grade	A=Grade "A"
		S=Custom
C	Fiber Type	400=400μm panda
D	Pigtail Type	P=Parallel
E	Wavelength	1310=1310nm
		1550=1550nm
F	Tube	M=Metal
		G=Glass
G	Housing Diameter (Mini Size)	13=1.30mm
		14=1.40mm
		18=1.80mm
H	Working Distance ("T" type)	005=5mm
		020=20mm
		100=100mm
	Cross length ("R" type)	17=1.7mm
		20=2.0mm
		25=2.5mm
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	SC	FC
X	1	2
Physical Contact Type	PC	UPC
Y	1	2

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