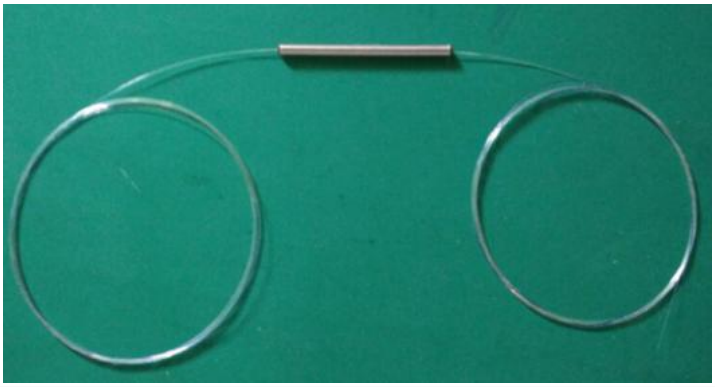
PM Fused Standard Coupler

Descriptions

PM Coupler is fully compliant with Telcordia GR-1209/1221 reliability qualification requirement

Features

- Low Insertion Loss, Good Uniformity
- Wide Operating Wavelength
- High extinction ratio
- Excellent environmental stability and reliability



Applications

- Communication System
- Fiber Sensor
- Optical gyro
- Optical amplifier

Specifications

Parameter / Operating wavelength(nm)	CR	IL (dB)		ER (dB)		Dimensions Φ×L(mm)
		P grade	A grade	P grade	A grade	
780, 850 ±20	50/50	≤3.8	≤4.0	≥18	≥16	3×54 or longer
	40/60	≤4.8/3.0	≤5.2/3.2			
	33/67	≤5.5/2.4	≤5.8/2.6			
	25/75	≤6.9/1.9	≤7.2/2.1			
	20/80	≤8.2/1.7	≤8.5/1.9			
	10/90	≤11.8/1.4	≤12.0/1.6			
	5/95	≤15.0/1.0	≤15.2/1.2			
	1/99	≤22.5/0.7	≤22.8/0.8			
980, 1060 ±20	50/50	≤3.6	≤3.8	≥20	≥18	3×54 or longer
	30/70	≤5.75/2	≤6.1/2.1			
	20/80	≤8.0/1.5	≤8.2/1.7			
	10/90	≤11.6/1.2	≤11.8/1.4			
	5/95	≤14.8/0.8	≤15.0/1.0			
	3/97	≤16.57/0.45	≤17.12/0.6			
	2/98	≤18.4/0.35	≤18.9/0.5			
	1/99	≤22.0/0.4	≤22.5/0.6			
	0.1/99.9	28~32 / 0.25				
1310, 1480, 1550 ±20	50/50	≤3.4	≤3.6	≥20	≥18	3×54 or longer
	30/70	≤5.6/1.9	≤5.75/2			
	20/80	≤7.6/1.4	≤8.0/1.5			
	10/90	≤11.2/0.85	≤11.6/1.0			
	5/95	≤14.2/0.6	≤14.8/0.8			
	3/97	≤15.2/0.4	≤15.8/0.5			
	2/98	≤16.8/0.35	≤17.4/0.45			
	1/99	≤21.5/0.3	≤22/0.4			
	0.1/99.9	28~32 / 0.25				

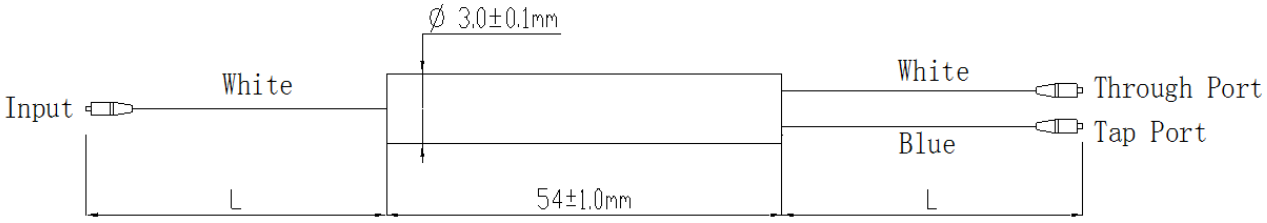
Note: 1. If tap port coupling ratio is ≤ 5%, ER will be 2dB lower; for ≤1% tap port, ER is out of concern

2. The specifications are connector excluded.

3. For devices with connectors, 0.3dB (PC)/0.4 dB (APC) higher for IL, 5dB lower for RL and 2dB lower for ER.

4. For device with connector, key aligned to slow axis if no advance requirement.

Package Dimensions



Ordering Information

PMC - A - B — C - D — E — F — G — H — I		
A	Grade	P=Premium grade, A=A grade
B	Port Number	1×2, 2×2
C	Wavelength	780, 850, 980, 1060, 1310, 1550, Other
D	Coupling Ratio	50/50, 40/60, 30/70, 20/80…. 1/99, etc
E	Pigtail Type	0.25=0.25mm bare fiber, 0.9=0.9mm loose tube, etc
F	Fiber Type	PM1550, PM1310, PM980,PM850, etc
G	Connector Type	N=None, LC/UPC, LC/APC, SC/UPC,SC/APC, FC/UPC, FC/APC, etc
H	Package Size	3x54mm, etc
I	Fiber length	003=0.3m, 005=0.5m, 010=1.0m, 100=10m, etc
For example：PMC-P-1×2-1060-30/70-0.9-PM980-FC/APC*3-3x54-010		