

PM Splitter

Descriptions

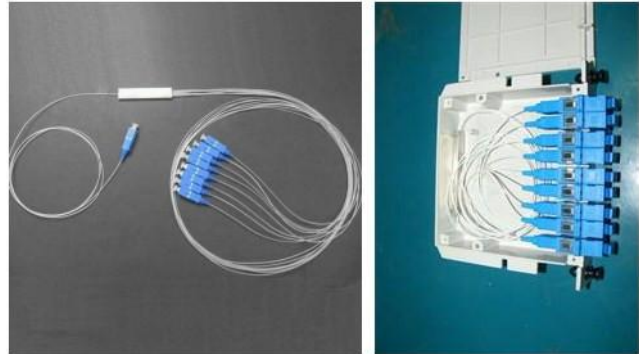
The PM Splitter is built based on accurate alignment system and the mature manufacture technology. It is fully compliant with Telcordia GR-1209/1221 reliability qualification requirement

Features

- ▶ Low Insertion Loss, Good Uniformity
- ▶ High polarization Extinction Ratio
- ▶ Excellent environmental stability and reliability

Applications

- ▶ Communication System
- ▶ Polarization maintaining optical system
- ▶ Fiber Laser or Sensor



Specifications

Parameter	1×2	1×3	1×4	1×6	1×8	1×12	1×16	1×24	1×32	1×64
Fiber type	SM13-PS-U25A or SM15-PS-U25A or others									
Operating wavelength (nm)	1310±40 or 1550±40									
Insertion loss (dB)	≤3.9	≤6.2	≤7.2	≤9.4	≤10.4	≤12.6	≤13.7	≤15.8	≤16.8	≤21.0
Uniformity (dB)	≤0.4	≤0.5	≤0.6	≤0.6	≤0.8	≤0.8	≤1.2	≤1.2	≤1.5	≤2.5
ER(dB)	≥20	≥20	≥20	≥20	≥18	≥18	≥18	≥18	≥18	≥16
DL(dB)	≥55									
Input port	250um bare fiber or 0.9mm loose tube				250um bare fiber or 0.9/2.0/3.0mm loose tube					
Output port	250um bare fiber or 0.9mm loose tube				250um bare fiber or 0.9/2.0/3.0mm loose tube					
Operating temperature(℃)	-5~+70									
Storage temperature(℃)	-40~+85									
Power Handling (mW)	≤500									
Module Size (mm)	40×4×4					50x7x4, 60x12x4 or others				60x12x4,100x40x6 or others

Parameter	2×2	2×4	2×8	2×16	2×32
Fiber type	SM13-PS-U25A or SM15-PS-U25A or others				
Operating wavelength (nm)	1310±40 or 1550±40				
Insertion loss (dB)	≤4.2	≤7.8	≤11.2	≤14.2	≤17.3
Uniformity (dB)	≤0.6	≤1.2	≤1.4	≤1.8	≤2.0
ER(dB)	≥20	≥20	≥18	≥18	≥16
DL(dB)	≥55				
Input port	250um bare fiber or 0.9mm loose tube		250um bare fiber or 0.9/2.0/3.0mm loose tube		
Output port	250um bare fiber or 0.9mm loose tube		250um bare fiber or 0.9/2.0/3.0mm loose tube		
Operating temperature(℃)	-5～+70				
Storage temperature(℃)	-40～+85				
Module Size (mm)	40×4×4		50×7×4, 60×7×4 or others	60×7×4, 60×12×4 or others	

Note: 1. Above specifications are for device without connector.

2. For devices with connectors, 0.3dB higher for IL, 3dB lower for RL and 2dB lower for ER.

3. For device with connector, key aligned to slow axis

Ordering Information

PMSPLI - A - B - C - D - E - F - G - H - I - J		
A	Port Number	1×2, 2×2, 1×4, 2×4, 1×8, 2×8, 1×16, 2×16, 1×32, 2×32, etc
B	Fiber Type	PM1550, PM1310,, etc
C	Axis Polarity	SA=Slow-Axis (in line with key), FA=Fast-Axis (perpendicular to key) , etc
D	Tube Type	0.9=0.9mm loose tube, 2.0= 2.0mm loose tube, 3.0=3.0mm loose tube etc
E	Jacket Color	Blue(standard), White, Clear (Bare Fiber Only), etc
F	Jacket Material	PVC, Hytel, Riser OFNR, PVDF, Customer Request
G	Connector Type	SC/APC, SC/PC, FC/APC, FC/PC, LC/APC, LC/PC, MU/PC etc
H	Fiber length	005=0.5m; 010=1.0m 100=10m etc
I	Module Size	40×4×4mm , 50×7×4 mm, 60×7×4mm, 100×40×6 etc.
For example: PMSPLI—1×4-PM1550-SA-0.9-Blue-PVDF-FC/APC*5-010-40×4×4		