

PM PLC Splitter

Features

- Low insertion loss
- Good Coherent
- High Extinction Ratio
- High Isolation And Low PDL
- High Power Optional

Applications

- FTTH system
- PON access network
- CATV network
- Light path test system

Polarization-maintaining PLC splitter (PM PLC splitter) is a kind of Optical power management device based on planar waveguide technique, which is widely used in passive optical network, achieving the allocation of optical signal power by 1xN or 2xN splitting ratio. Using PM PLC splitter can make two orthogonal linearly polarized lights transmit stably and keep the polarization state constant, thus, it can achieve the Polarization-maintaining coupling and allocation of optical signal power.

Fibermart PM PLC splitter have lots of product forms: micro bare device, regular bare device, steel tube packaging, insert cartridge and module box etc. The splitting ratio is optional: 1x2, 1x4, 1x8, 1x16, 1x32, 1x64 and 2x4, 2x8, 2x16, 2x32, 2x64, other splitting ratio is customiz-able. We can provide customized services according to customer needs.

Performance Specifications

Parameter	1x2	1x3	1x4	1x6	1x8	1x12	1x16	1x24	1x32	1x64
Wavelength (nm)	1310 or 1550 or Specify									
Insertion Loss (@23°C) (dB)	≤3.8	≤6.2	≤7	≤9.4	≤10.2	≤12.6	≤13.5	≤15.8	≤16.6	≤21
Consistency (dB)	≤0.3	≤0.5	≤0.4	≤0.6	≤0.4	≤0.8	≤0.6	≤1.1	≤0.8	≤1.5
Extinction Ratio (@23°C) (dB)	≥23	≥23	≥23	≥22	≥22	≥22	≥20	≥20	≥18	≥18
Return Loss (dB)	≥50									
Power Handling (mW)	500 or Specify									
Fiber Type	PM1310 or PM1550 or Specify									
Connector Type	LC, FC, SC									
Working Axial	Slow Axis, Fast Axis or Specify									
Fiber Length Tolerance (%)	±10 or Specify									
Operating Temperature (°C)	-5~70									
Storage Temperature (°C)	-45~85									

Note:

1. For device with connector, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower.
2. Specifications may change without notice.

Ordering Information

Port	Package	Axis Alignment	Fiber Diameter	Fiber Length	Connector
0102 = 1x2 0104 = 1x4 0108 = 1x8 0116 = 1x16 0132 = 1x32 0164 = 1x64 1128 = 1x128 0202 = 2x2 0204 = 2x4 0208 = 2x8 0216 = 2x16 0232 = 2x32 0264 = 2x64 2128 = 2x128	1=Bare 2=Blockless 3=ABS Box Module 4=Insert Box 5=Pallet Type 6=Rackmount S=Specify	1=Slow axis working 2=Both axis Working S=Specify	0=250µm 1=900µm 2=2.0mm 3=3.0mm	0=0.5m 1=1.0m 2=1.5m 3=2.0m 4=3.0m 5=4.0m S=Specify	0=None 1=FC/APC 2=FC/UPC 3=SC/APC 4=SC/UPC 5=LC/APC 6=LC/UPC 7=ST S=Specify