

## 1x5 PM Filter Splitter Module

### FEATURES

- ▣ Low Excess Loss
- ▣ Various Splitting Ratio
- ▣ Wide Passband
- ▣ High Stability and Reliability
- ▣ Epoxy Free Optical Path

### APPLICATIONS

- ▣ Optical Amplifier
- ▣ Optical Networks
- ▣ Power Monitoring
- ▣ Fiber Sensor
- ▣ Lab



### SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength	nm	1310, 1480, 1550, 1590	1550&1590
Bandwidth	nm	+/-30nm or customer specify	
Configuration	-	1x5	
Split Ratio	%	Even Split	
Insertion Loss	dB	≤9.0	≤9.4
Uniformity	dB	≤1.5	
Extinction Ratio	dB	≥20	
Optical Return Loss	dB	≥50	
Working Mode	-	Can only work in Slow Axis	
Fiber Type	-	PM1310/1550 Panda Fiber, 10/125um PMDC Fiber (O) 12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q) 25/250um PMDC Fiber (R), 25/300um PMDC Fiber (G)	
Alignment	-	Slow Axis	
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~85	
Package Dimension	mm	L160x <sup>W</sup> 140x <sup>H</sup> 10	

**Note:** 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.

3. The devices can only work in slow axis and fast axis is blocked.

4. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

### ORDERING INFORMATION (PN)

<b>FPFM-</b>	<b>NNNN</b>	<b>-</b>	<b>1X5</b>	<b>-</b>	<b>C</b>	<b>C</b>	<b>NN</b>	<b>-</b>	<b>CC/CCC</b>
	<i>Wavelength</i>				<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>		<i>Connector Type</i>
	1550-1550nm				2-PM1310/1550 Fiber	B- Bare Fiber	05=0.5m		N=Without Connector
	1590-1590nm				0-10/125 PMDC Fiber	L- Loose Tube	10=1.0m		FC/APC=FC/APC Connector
	1310-1310nm				T-12/130 PMDC Fiber	2- 2mm Cable	15=1.5m		LC/PC=LC/PC Connector
	CL=1550&1590nm				R-25/250 PMDC Fiber	3- 3mm Cable	20=2.0m		SC/UPC=SC/UPC Connector