

## 1x16 PM Filter Splitter Module for Pulse Power

### 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	1x16 or 2x16 or 4x16		
Center Wavelength	nm	1310, 1480, 1550, 1590	1550&1590	
Bandwidth	nm	+/-30nm or customer specify		
Insertion Loss	Typ.	dB	14.3	14.9
	Max.	dB	14.8	15.6
Uniformity	dB	≤2.4		
Extinction Ratio	B Type	dB	≥16	
	F Type	dB	≥18	
Working Mode	B Type	dB	Can work both in Fast Axis and Slow Axis	
	F Type	dB	Can only work in Slow Axis and Fast Axis is blocked	
Optical Return Loss	dB	≥45		
Directivity	dB	≥45		
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)		
Fiber Tensile Load	N	5		
Max. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 30, 50, 60		
Max. Peak Power for pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20		
Operating Temperature	°C	0~50		
Storage Temperature	°C	-40~85		
Package Dimension	mm	L160x <sup>W</sup> 160x <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. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  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.
  5. Package size may be different for different optical power fiber type and configurations.

### ORDERING INFORMATION (PN)

FPFM	- NNNN	- NxNN	C	-H NN	P	NN	- C	C	NN	- CC/CCC
Wavelength	Configuration	Type	Average Power	Peak Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type		
1550-1550nm	1X16-1X16 Type	B=B Type	03-300mW	01-100W	2-PM1310/1550 Fiber	B= Bare Fiber	05-0.5m	N=Without Connector		
1590-1590nm	2X16-2X16 Type	F=F Type	1-1W	1-1kW	0-10/125 PMDC Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector		
1310-1310nm	4X16-4X16 Type		5-5W	5-5kW	T-12/130 PMDC Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector		
CL=1550&1590nm			10-10W	10-10kW	R-25/250 PMDC Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector		