

1x5 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	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	≥18	
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	
Max. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 20, 30, 50, 60	
Max. Peak Power for pulse	kW	0.1, 1, 2, 3, 5, 10, 20	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~85	
Package Dimension	mm	L160xW140xH10	

- 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. The devices can only work in slow axis and fast axis is blocked.
 5. 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.
 6. Package size may be different for different optical power fiber type and configurations.

ORDERING INFORMATION (PN)

FPFM-	N	N	N	N	-1X5	-	H	N	N	P	N	N	-	C	C	N	N	-	CC/CCC
	Wavelength				Average Power		Peak Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type								
	1550-1550nm				03=300mW		01=100W	2=PM1310/1550 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector								
	1590-1590nm				1=1W		1=1kW	0=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector								
	1310-1310nm				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								