

## 975~1160nm 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	975, 980, 990, 1000 1020, 1030, 1040, 1053, 1064 1070, 1080, 1092, 1103, 1120, 1150	
Bandwidth	nm	+/-20nm or customer specify	
Insertion Loss	Typ.	dB	14.9
	Max.	dB	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	-		PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L) 10/125um PMDC Fiber (O) or 15/130um PMDC Fiber (W) 20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)
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 0.5dB 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)

Wavelength	Configuration	Type	Average Power	Peak Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
975-975nm	1X16-1X16 Type	B-B Type	03-300mW	01-100W	2-PM980Fiber	B- Bare Fiber	05-0.5m	N-Without Connector
1030-1030nm	2X16-2X16 Type	F-F Type	1- 1W	1- 1kW	E-PM1060L Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector
1064-1064nm	4X16-4X16 Type		5-5W	5-5kW	Q=20/130 PMDC Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
1120-1120nm			10-10W	10-10kW	R=25/250 PMDC Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector