

# 1x3 Polarization-Insensitive Fused Hybrid PM Fiber Tap



## Product Features

- Operating on both Fast and Slow Axis
- Low Excess Loss
- Polarization-Insensitive
- High Power Handling
- Telcordia GR-1221 Compliant Test

## Product Applications

- Optical Amplifiers
- Power Monitoring
- Telecomm System
- Testing Equipment

## Specifications

Parameter	Unit	Premium	A grade	Premium	A grade	
Port Configuration		1x3				
Central Wavelength	nm	780, 830, 980, 1064		1310, 1480, 1550, 2000		
Bandwidth	nm	±20				
Excess Loss	Typ.	dB	0.5	0.7	0.4	0.6
Excess Loss	Max.	dB	0.7	0.9	0.6	0.8
Polarization Dependent Loss	Max.	dB	0.1	0.2	0.1	0.2
PER for Through Port	Min.	dB	18	15	20	17
Return Loss*	Min.	dB	50	45	50	45
Directivity*	Min.	dB	55			
Operating power	Max.	W	2			
Operating Temperature	°C	-40 to +85				
Storage Temperature	°C	-50 to +85				
Package Type	mm	S6 / S12 / M2				

Above PER is for more than 10%(CR) port, it's 2dB lower for no more than 10%(CR) port, and 4dB lower for no more than 5%(CR) port.

All specifications are before connectors. PER is 2dB lower and EL is 0.2dB higher after connectors.

\* Test at central wavelength only.

## Splitting Ratio & Its Tolerance

Splitting Ratio	Maximum Splitting Ratio Tolerance (%)			
	Premium		A grade	
	Main Port	Tap Port	Main Port	Tap Port
0.5/99/0.5	±0.4	±0.2	±0.5	±0.3
1/98/1	±0.6	±0.4	±0.8	±0.5
2.5/95/2.5	±1.5	±0.8	±1.8	±1.0
5/90/5	±2.0	±1.2	±2.5	±1.3
10/80/10	±2.5	±1.5	±3.0	±1.8

Fiber Type	Common Port	Through Port	Coupling Port 1	Coupling Port 2
Type 1	Panda Fiber	Panda Fiber	SMF-28e Fiber or Equivalent Fiber	SMF-28e Fiber or Equivalent Fiber
Type 2	Panda Fiber	Panda Fiber	HI1060 Fiber or Equivalent Fiber	HI1060 Fiber or Equivalent Fiber
Type 3	Panda Fiber	Panda Fiber	HI780C Fiber or Equivalent Fiber	HI780C Fiber or Equivalent Fiber
Type 4	Panda Fiber	Panda Fiber	SMF-28e Fiber or Equivalent Fiber	Panda Fiber
Type 5	Panda Fiber	Panda Fiber	HI1060 Fiber or Equivalent Fiber	Panda Fiber
Type 6	Panda Fiber	Panda Fiber	HI780C Fiber or Equivalent Fiber	Panda Fiber

## Ordering Information

P	I	B	T	Wavelength	Structure	Splitting Ratio	Grade	Package	Fiber Type	Fiber Length	Connector
				4=1550nm 5=1480nm 7=1310nm 8=1064nm 9=980nm L=780nm K=830nm P=2000nm S=Specify	3=1x3	99=0.5:99:0.5 98=1:98:1 95=2.5:95:2.5 90=5:90:5 80=10:80:10	P=Premium A=A grade	5=S6 with 250um bare fiber pigtail B=S12 with 0.9mm loose tube E=M2 with 3mm cable	1=Type 1 2=Type 2 3=Type 3 4=Type 4 5=Type 5 6=Type 6	0=0.5m 1=0.75m 2=1.0m S=Specify	0=None 1=FC/PC 2=FC/SPC 3=FC/APC 7=FC/UPC

Note: 1. Central Wavelength can be customized for different applications.  
2. All specifications are subject to change without notice.