

# 1x2(2x2) Compact Fused Hybrid PM Fiber Tap



## Product Features

- Low Excess Loss
- High Extinction Ratio
- High Power Handling
- Available for Slow or Fast Axis Operation
- Telcordia GR-1221 Compliant Test

## Product Applications

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

## Specifications

Parameter	Unit	Premium	A grade	Premium	A grade	
Port Configuration		1x2 or 2x2				
Central Wavelength	nm	780, 830, 980, 1064		1310, 1480, 1550, 2000		
Bandwidth	nm	±20				
Excess Loss	Typ.	dB	0.6	0.8	0.3	0.5
Excess Loss	Max.	dB	0.8	1.0	0.5	0.7
PER for Through Port	Min.	dB	20	17	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	S4 / S6				

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
99.5/0.5	±0.2	±0.3
99/1	±0.4	±0.5
98/2	±0.7	±1.0
95/5	±1.8	±2.1
90/10	±2.5	±3.0
80/20	±3.0	±4.0

Fiber Type	PM Fiber Port	SM Fiber Port
Type 1	Panda Fiber	SMF-28e Fiber or Equivalent Fiber
Type 2	Panda Fiber	HI1060 Fiber or Equivalent Fiber
Type 3	Panda Fiber	HI780C Fiber or Equivalent Fiber

## Ordering Information

P	M	C	T								
				Wavelength	Structure	Splitting Ratio	Grade	Package	Fiber Type	Fiber Length	Connector
				4=1550nm	1=1x2	05=99.5/0.5	P=Premium	3=S4 with	1=Type 1	0=0.5m	0=None
				5=1480nm	2=2x2	99=99:1	A=A grade	250um bare	2=Type 2	1=0.75m	1=FC/PC
				7=1310nm		98=98:2		fiber pigtail	3=Type 3	2=1.0m	2=FC/SPC
				8=1064nm		95=95:5		5=S6 with		3=Specify	3=FC/APC
				9=980nm		90=90:10		0.9mm loose			7=FC/UFC
				L=780nm		80=80:20		tube			
				K=830nm		...					
				P=2000nm		...					
				S=Specify		...					

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