

# 1x3 Polarization-Insensitive Fused PM Fiber Splitter



## Product Features

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

## Product Applications

- Optical Amplifier
- Optical Sensor
- Coherent Optical System
- Optical Testing Equipment

## Specifications

Parameter	Unit	Premium	A grade	Premium	A grade	
Port Configuration		1x3				
Central Wavelength	nm	633,780,830,980,1064		1310,1480,1550		
Bandwidth	nm	±20				
Excess Loss	Typ.	dB	0.6	0.8	0.4	0.6
Excess Loss	Max.	dB	0.8	1.0	0.6	0.8
Polarization Extinction Ratio	Min.	dB	17	15	18	16
Polarization Dependent Loss	Max.	dB	0.1	0.2	0.1	0.2
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 / S8 / 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	
	Through Port	Coupling Port	Through Port	Coupling Port
5:90:5	±2.5	±1.5	±3.0	±1.8
10:80:10	±2.8	±1.6	±3.2	±2.0
15:70:15	±3.0	±1.8	±3.5	±2.4
20:60:20	±3.3	±2.0	±3.7	±2.5
25:50:25	±3.5	±2.4	±4.0	±3.0
30:40:30	±4.0	±3.0	±5.0	±4.0
33:33:33	±6.0	±6.0	±8.0	±8.0
35:30:35	±4.0	±5.0	±5.0	±6.0
40:20:40	±5.0	±6.0	±6.0	±7.0

## Ordering Information

P	I	N	S		3																																	
Wavelength	4=1550nm	5=1480nm	7=1310nm	8=1064nm	9=980nm	B=633nm	L=780nm	K=830nm	Structure	3=1x3	Splitting Ratio	90=5:90:5	80=10:80:10	70=15:70:15	40=20:40:30	33=33:33:33	30=35:30:35	20=40:20:40	10=45:10:45	Grade	P=Premium	A=A grade	Package	5=S6 with 250um bare fiber pigtail	7=S8 with 0.9mm loose tube	E=M2 with 3mm cable	Fiber Type	E=Panda fiber	Fiber Length	0=0.5m	1=0.75m	2=1.0m	Connector	0=None	1=FC/PC	2=FC/SPC	3=FC/APC	7=FC/UPC

Note: 1.All specifications are before connectorization.

2. Central Wavelength can be customized for different applications.

3.All specifications are subject to change without notice.